SE

DATE // Apr 65
Pg.#

	. 1	الما	11.	h - 4	100
time	species	*	dir.	hgt. remark	loc,
0900	begin obse	rva	trois		
0900	Wedgetail	2		hight	
0902	00 44 45 104	~ 2			
0908	shear/petrel			/(
0909	show/petral	2	W	2 wedys	tail sized
0915	Wedgetail		W	13. 8	
09,7	Wednetril	/	W		
0923	Restant (?) Booky		2		
0923	welquetail	1		adult	
0931	White-tail Tropic	1			
0934	Newell's 5	,			
0935	Namell's/	/			
	Scrotz Shear	3		didn't 2	ee undergants but flight right
093.7	Sooty Shear		21		
0938.		1			
0939				1000	1 + 0. 0.
0940	Sooty Shew		2"	flushe	d - tail reddish
0945	-4	2			
0946	sooty shear	2	**************************************		
0947		3	ins.		
0949		2	\$ ₀ 0'	-	
0 950	To go and			4 setting	onwater
	7				
0951	Scroty Shaws	1	NE	yt.	
0955		1			
26.0	Wedge fill Noddy Tem			zettii	
0138	roday lem	2	\$5		
0959	, , ,	1			<i>\lambda</i> .
1002	Wagetand	1			
1003	Sooty Shew	1	NE		
1004	Souty Them	1	NE		
1005	Wedgetail	4	102	setting	
1006	Soots Shew	1	the second		
1006	RFR	1			
1015	Blue-gray Nodly	11			
1019	Sooty Tem	4		Durall	tem, blue gray allower
1022	Sooty Shear	14	SE	may a	
1024	I'm Jages	3	NE .	Cinft	
1025	Sorty Slean	13	NC	- July	

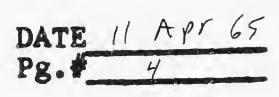


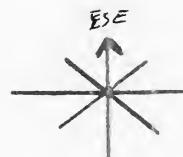
	ime	species	#	dir.	hgt.	remarks	loc.
	1029	storm pehelsp	1			in the sun	
		Wedgetail					
		Sooty Shear	,	~			
		Sooty Shay	1	March of "		fined at once	
		Scoty Them	',	Ų			
		Soraty Shan		0.4			
	1049	Wedgetail	1	4"			
	1	Sorty Shear		Ming.			
		Soots Tem					
	1054	bird sp	,				
		Sooty Show	7	in a series		hught have been show or gulf - looked grayist	
	10 = 0	SootsTem				tent of home	
		North To				+ shortzlides, larger than Porn jueges	
		Modely Tem	30			feeling	
		Blue-grey Violey	52				
	1059	Wedgetan?	3			adult	
	1/02	Sooty Then	1	and the			
	100	Sorty Shear	1	3-7			
	1000	Sooty Shen	4.	V.			
	1107	Bulwer's P.	1				
	1/13	Sooty show	(~10			
	1123	1	3	est.			
	1126	sooty Term	3			Feeding Flock, witch reports a fairy ten too	
		comme Noldy Wedgetail	7			feeding flock, witch reports a fairy term too	
	1130	Red Foot (?) Booby	2				
	1175	Sooty Shen	2	2		Ad.	
	1135	Shearwater (2)	,			like wedaet !	
	1137	wedgetail				Like wedgetzil in size, shape, Flight but light gray on top	
	1139	(((
		Redfoot Booby	1	5		Ad.	
	1141	Sooty Shem	2	E.			
	1145	wt(!) Tropics ind wedgetzil	1				
		shear (petrel					
	1205	Sooty Shear		*3a.r			
	1217	Wedge tail	2.				
	1220	Sorts Sheur	1-			dark phase	
105	1229	Sooty shearward com. Noddy	2	E.		Sooty shear water id. by capt.	

DATE // Apr 65
Pg. # 3

	_ 5	E
	2	5
NE-		*
	V	

+	ime	species	4	dir.	het.	remarks	loc,
	235	Sooty Shearw.	1	V			
	1240	1	2	in			
	1246		1	8/			
	1247	Bulwer's Petrel	1	\sim			
	1252	Wedgetail	-(
		Christmas Islad sh.					
	1302	wedgetzil	(NW		1,2	
	1308	Wedgefail	,				
	13/2	Cristians	,				
		Is Shear					
	1320	shear/petal	1				
		Shear/petel Fairy Term Wedgetail	1				
	1222	1) ale otail				dars	
	1323	Stora losted					
	1.0	shear/petiel	1			10 is I Sort 5 1 + ith white underparts	
	1330	shearwater	1	W		flew similar to Souty S. but with white undergants	
	1341	Common No ddy	2			notlags, just arcs+glides on stiff wings.	
	1342		1			flight directional	
			4				
		Wedgetail					
	1348	Wedgetail					
	1352	Noddysp	4			many have been Harrinan Noddies	
		Cearlis P.					
						A 0 0	
		Wedgetan				intermediate dans	
		Sooty Sheer	1	NE			
	1430	Pom, Jaeger	1				
	1434	Leach's P.	1				
	1445	BFA	1				
	1447	Voddy Ten					
	1452		1				
		Woldy len	/	5		Flying very direct as if joing some where	
	1524	Storm Petrel	1			large white rump patch. Seemed large	
	1530	11	1	5	-	Precisely the same, brownish on top with lighter 60mm wingstripe	
	1535	Sooty Ten	12	5			
	1536	St. Petrol	1		-	this one wandering around more as they usually do	
	1610	sooty Ten	50110	3		I feeding flock just beyond where fishermen have set out a long net	
		Common Noddy	25=			I alevelle were eithing on water on were or	
		Wedgetzil	u			The Newell were sitting on water on were I wedgetoils	
		Newells Shears.				the jaeger seemed to be passing through we are SW of Barber's Point	
207	161-	Pewells Shears. Pomarine Jaege Soots Tons	2				
-01	7	Sootx Term	1			going to join flock	





1	time	species	#	dir.	het.	remarks	loc,
	1617	wedgetzil					
	1622	Souly Shezzw		~			
	1637	Pomarine Jeeger	1			light phase, good plumage	
	167.		1		_	my property	
		Common Moddy	1	_			
	1646	Pom. Joegen	2	_		light phase	
	1647	Sooty shear w.	3				
	1648	. ((1			7 11:4	
	1650	0- 120,00-	7			2 Pon jæger I think same as above	
	1654	Pom. Læger	2			pro62614 different 6irds, there 2	
	1451	Sooty Shearw.					
	1700	Bom. Leger			-	light phase	
		Com. Noddy	(
٠	1710	South Tem	{				
	1710	Red Foot B	1			adult	
	17/1	Wadgetail	2				
	1712	Sooty Tem	2				
	17/3	NoddyTen	1				
,	1717	Pom Jaeges	1			light	
	1718		(La company of the com	
		Frigate	/			ding	
-	1731	welgetoil	2				
	1732	Sooty Sherw.	1				
	1735	rom. Izege	1			light, Follows 2 6it	
	1738		5			following now, not all together	
	1738	Blacktoot Alb.	1	follow			
	1744			1		all 5 jægers sit m valer one is dork phase	
	1745	Sorty Tem	4			The south one is dark phase	
	1746		-	1		8 jaegars mon	
	1746	Sooty Shear	1		1		
				1		, /	
	1750	V	1				
	175	Soots Shear	1			20	
	1757	Sooty Shews	4	hor			
	1758	SootyTen	25	-			
		Modely Ten	10				
		Pom Jaeger	5+	1		feeding - jægers working over tems prettywell	
	1802	Noddy Tem	2		1		
	102 . /	1 1 1 1	1				
	1804	Souts sheen	2	ion			
	1805	NordyTem					
	1807	5	1	3			
	1808	Soot Sheur	2	now!			
	1809	Sooty Tem					
102	1	RFB	5			travelling	
				1			



	time	species	#	dir.	hgt.	remarks			loc.
		Nodels Term Johnerine Jalges	35	12		to le			
		RFB wedgetail Sooty shear	14	e.r.		Geeding			
	1817	Sooty Tem	'	C.		J		1	
	1818	SootsTem SootsShans NorddyTen	1	Torrest of					
	1819	Nordajien	1						
	1824	stompetolsp Worddy Term	4						
	1825	Wedgetail	1						
	1826	Noden	3			travelling			
	1828	Wedgetail Soots Shear	2 7	Newson					
	1828	Leach's P.	2						
	1830	Nord Ten Wedgetins	5			travelling			
	1831	beach so	2						
	1833	Wedgetail	1						
	1834	Soots Shews Learl's P.		* Dag 49					
	1836	Wadgetail	7						
		South Ten	5			feeding			
		Nod by Ten							
	1843	Nodentem	2						
	1846	Nodelylow	3						
	1848	Lead 1. Petrel Noddy Em	/						
	1849	Sooty Shear	/	Blacker					
	1850	Noddytem	4						
	1851	Wedgetal Wood dy Term	2			trovelling			-
	1852	Noddy Tem	5			travelling)	2		
	1852	RFB	1			adult	1850 1BIFA		
	1852	end obser	ri	honing					
1. 2-4									
602									
					1				

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 12 Apr65
Pg. # ____

				\									
)	V.										9.00
	time	species	*	dir.	het.	rema	rks					· · · · · · · · · · · · · · · · · · ·	loc.
	0605	begin obs	100	ation									
	0615	11		er Bi	'u Te	60							
The same of the sa	0650	Blackfoot Alb.		follow	19 +31	and							
	0655	Sooty Tens	1	TO 1/00									
	0708	Pterodroms	i	W		Smal	1. 6lack	tor in	maculate	belly +	underwin	dir.	
	0800	Souty Ten	2					10//		17	1		
		Wedgetail	2										
	0835	Wadgetail											
	0838	Wedgetail											
		wedgetal	1										
		Wedgetan	1										
	0902	Wedgetail	2										
	0903	Wedgetand	1										
	0933	shear/petel	1										
	0955	teach of.	1			·							
	0735	500th Shear	1	VN									
	0956		1										
	, i		/										
	1001	Leach 1.	1					/ // 1					
	1008	wedgetail	1	A	-	going	like	hell!					
	1016	0 100	2	N		,							
	1030	Bulwers Sectu T	1										
	1037	sooty Term	1										
	1041	wedgetall	1										
	1141	Bulwen	1										
	1059	sooty shearw	(-					0 - 1				
-	1112	11	3	-			100	00 /	BFA				
	1113	Bulwen ?	1										
	1119	Wedgetail											
	1128	Sooty Term									٠		
	1131	sooty shearw.	1	- 200						4	3		
	1150	Leach's St. Pet	1							N les =	si l		
	1215	Louch ! s p	,							N			
	1219	Scoty shear	1										
	1221	Sorty Shan		2NW							H		
	1222	5005 Shear	2										
45	1223	Leach D. Frigate	2										
	1227	rigate	/										

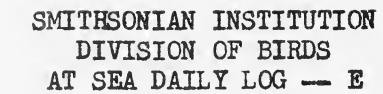
DATE 12 Apr265
Pg. # 2

tim	e species	N	dir.	het.	remarks	loc.
122	8 Souty Tem Fairy Tem Northy Tem 2 Souty Shear 3 Souty Tem	6				
	Farinten	6		ŀ	Travelling	
122	2 Coldy am	12	WW			
123	3 South Tem	1	-1000			
1165	7 Leach of	1 1				
123	6 Sooty Shear o Sooty Term	1	N			
124	O Sooty Ten	2	N			
124	3 Leach is P.	1				
	g Sooty Shear	1	N			
124			N			
125	W 0/		N			
125			W			
125		2	1			
	59 Soots Shear	3	IN			
13.	10 Sooty Shea	2 1	N		s to la source to	
130			W		not a three-spread out over a few minutes	
130			N			
131		1	N			
131	6 Soots Shear		\mathcal{N}			
131		1	N			
	25 Wedgetan	1 '	N			
137		1	N			
133		10			not Place - spread out	
134		1	N.			
134		/	1			
13	47 550		N		Ch	
13:		4	1		and the second s	
135		1	IN		N	
140		2			7 67	
140		1	NW			
140		2	NW			
141	5 Redfoot Book	,	12nd, 2600	rd	we bond 757-60947 record soft parts	
147	24 66	2	~~			
86 14	38 Frigatebirk	1	N			

	5	
•		,
/		W
/	*	W

	time	species	#	dir.	hgt.	remarks		loc.
W	1440	55	4	N				
1	1441	55	1 .	N				
	1444	Sooty Tern	2	5				
	1444	5 5	(W				
	1453		1	AND I				
	1457	5 5 5 5	3	N				
	1503	55	4	FN				
	1510	\$5	(
	1512	55	2	N				
	1518	55 55	4	of N				
	1538	55	1	man N				
	1532	55	2	N				
	1536	55	3	State W				
	1545	55						
	1553	•	3	NW				
	1604	- 22	1	XW				
	1608	Bulwer's P.	1	gd.				
	1609	5 5	1	Nu			-	
200	1610	Wedgeful	(Nw				
	1610	Soots Tem	1	NW				
	1611	Wedgetail 55	4	NW.				
	1617	55						
	1620		2	Seign State of State				
	1630		1	1.				
	1633		1	and I				
	1640	55	4					
	1641		l^{\prime}	N				
r	1644	5 5	2	March N				
	1 646		1	Table .				
	1650	55	1	0.50			19. Land	
	1655	\$ S	1	# N			40 /	
	1700		2	Par and the Control			× 117	
4	1711	_	1	A /			N	
	1715	SS	1				1	
	1720		2			1	45	
7	172 (55	13	W.		spreadont		
	1736	5 5		N				
	1740		1				5	
and weeks	1744	>>	1	NW				
	1746	Sooty Terr	1					
96	1759	Sooty Terr SS Bulwen P.	3	W				
	1805	Bulwen.	11		٠			

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DATE 12 April 1965
Pg. # 4

loc. time species # dir. hgt. remarks 1805 not a flock 1806 55 1809 sooty tem 1812 Bulwen 1812 55 1814 55 55 1817 1820 55 1827 55 1830 55 1836 1846 and observation

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DATE 13 Apr 65
Pg. # ______

	/	V.				100
	species		1	het.		loc.
0715	Shear/petel Degin abou	2			seen by watch	
0730	Degin also	wo	trois			
0730	Sorty 5 Lean	, .	1/			
2732	55	1 4	1/0			
	Leadto P,		N			
0740	55	1	N,			
0814		1:	N			
0819	55	- ;	N			
0820	Leach's St. Pet.	21	N			
0835	55		N			
0855	55.		N			
0905			~			
0907	Bulwer's Petrel	(E	1		
0926	SS SS	1	N	100		
0928		1	N		·	
0957		(SW		in rainslown	
1006		/				
1021	Leach's P	/	1			
1031	Leach's P.	(
1032	55	1	NW			
1037	Leach of	1	N			
1043	Bulwers	1				
1050		1	N		light	
1051	Leach's P.	. 1			0	
1107	Ohear/petrel	1	N		might be 55	
1115	22.	3	N		4.	
1116	55	1	YN			
1/22	Bulkers P.	1	N			
1130	Wedgetail	1				
1131	Pan Jaeges	1	NW			
1140	Pom Jasager?		NW			
1, 19	55	,	1/		24	
1156		/	N		Med was	
1200	heach's st. let. wedgetail	1		1	h.	
1202	wedgetail	1			2.6	
1207	s s st, let	2		1		-
1308	55	,	V N			
1315	55	1	IN_			
1316	Bulwers Petro	1	NE			
1354	Leach is P shows petel Sorty Shows	2				
1402	S-25C	1	10			

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DATE 13 Apr 65
Pg.# 2

time	species	1	dir. het	remarks	loc
1407	sheur/petrel	1			
1408	Bulwers P	12			
1410	55	1	MI		e N
1419	Bulmans P	/	100		
1420	Wedgelail	1,			
1428	1550				
1441	oben/petrel		N	all Lare maybe 55	
1508	shear/petre,	12			
7555	bid sp.	1		ine a fr	
1634	Bird sp.	1		very ban	
16 36	, , , , , , , , , , , , , , , , , , ,	1			
1644	Reditail Tropic		E	lit m water	
1647	55 7				
1649	Birds	2		watch reporte - confused, I can't see 'en	
1710	Bir	1			
1720	Bulwer's P		N	, , , , , , , , , , , , , , , , , , , ,	1
1728	1/	1			
1735	Wedgetund	1			
1740	550	1	VIV		
1745		. 1	N		
1/76	Wedgetan	1	\sim		
1758	1 3) atail	1)	N		
1769			N		
1805	Bulwers &			fredat	
1808	Bulwers P.	1	N	No.	
18/3	shear peter	11		Go	
18/6	Arid			soon by watch	
7817	Arid Shows/petro	1	N	seen by watch	
18/8	Bulwers	r			
1821	55	1	1/1		1
183	55	1			
		٨,	10	Wadnetail-tril shorter way leats slift	R
	New Zealand 5 hear?			sure erge as Wedget cul-tail shorter wing beats stift	as t
	·			and taston hard Ty leathy and	
1855	end observa	itin	→	ours green up from	
				Certain but I believe that were the	7
				District 1 12 To be I are in fartis Cit	7
				Bird just out of shooting muse even in barbing ligh	1

DATE 14 Apr 65
Pg.#____

ropicbing — Jan reports

0600	Tropicbing	W 4 0		Jan reporti	100
time	species	# dir.	het.	remarks	loc.
0609	wedgetail			seen by Termite	
0609	beginober	ations		overcest, water Fairly smooth, not much wind	
0619	wedgetzil	1		Kind of rider our low wave" in air for 2-3 minutes	
0648	1000	10±5 30±10) >)	distant feeding flock	
0650 0654 0658 0703 0706 0712 0716 0717 0730	Sooty Ten Wedgetail Sooty Shearwater SS SS R.T. Tropic bird SS wedgetail Sooty Tern	5 1 CLILLS		not from the 2600e flock? traveling	
0813	Wedgetarl Bulweis P	1 NE			
0815	Wedgetail Wedgetail Lead! o P.			dark Jork sean by watch	
0832	leach to forther	2 N			
0839		2		dard	
0847	Wedgetail S5 Bulwer's P	3		dard	
	Locachi of Wedgetail Hoeor/petrel	12/		Dans black-tipped shork crossed bowatogza 6'or better	
0939 0945 0954	55	IN IN			
1006 1006	wedgetail SS	1 NE 1 N 1 N		Hight very directional on rapid, continuous virybeats dans	
1013	Learlis P Bulwer's P	2		that in water-feeds on signif? - pulls at it with till a backs away with wings o backward full of near. then patters a few times, sits a garri	89



DATE 14 A/r. 65
Pg.# 2

time	e species	# dir.	hgt. remarks	loc.
102			Sure it's same sain keep circling un	
			perhaper we stir up squid to surface	
102	/	INN	in sight	
103		2 N		
104	6 Wedgetail	1 Z W	- dark phase	
105		1 NW		
105	5 55	1 Back N		
111-	/	1 SE	- light phase	
1/2	1 01.	11	dark phase	
11 20		1 1	probably still one of same one	
11 2		7	one light one dark integrated	
1150		4	all together	
1231				
1249			dars	
124				
	-11 0 1	INN		
125	1 Daves	1,		
130	1			
170	I shear / yetrel			
130	8 Leach's P	4		
1/13/	Duliver's P			
13/2		2/N		
13/	4 55			
131				
132				
137		2		
133				
133	1	2		
		1,		
134		N		
134		5	10 - de anie	
	Wedgetund	4	dare	
134	655	I de provincia		
140	o wedgetail		Jark	
14		NE		
14		11		
14		1 N		1
144		3 5W		
15		12 N		
150	- Julian Chelle	3		
15	9 55	1100		, -
159	1 Bulmer	11		65



DATE 14 Apr 65
Pg.# 3

time	species	# dir.	hgt.	remarks	loc.
1615	22	24N			
	Pom Jaeger!				
1823	Shear/petrel	1		alldans	
1824	Satt	112			
1,430	Souty Tem Wedgetuil	12		Reeding	
1833	55			dare	
1835	Soots Tem	3			
1840	Thear/petret				-
1841	BulweisP	1			
1653	55	2/2	î	des	
1,4,2	Bulwer's P	3 55		ince	
1855	55	2/5/			
1859	55				
1859	Bulwers P.				
1806	Wedgetail	1 858		dark	
1809	Learl 10 P	1			
1715	Leach 's P.	1			
1740	Wedgetzil 7	10+2		feeding Flock Wedgies seemed all Dark phase	
	Soot, Tern	1515		George saw "ahi" jump under it	
1743	Leach's Petrel	.5'			
1745		n / N		12	
1746	Wedgetzil Lead's Petrel	11 -		dark phase	
	Pulwer's Petrel	2		13	
1808	Pulwer's Petrel Sooty Shoarwate Wedgetail M	11		COR ()	
1819	Sooty Shenwate	(/ N		seen by watch (Termite)	
1831	(1000 000	(N.			
1070	close observ	ations —		sundown	
					71
					230

DATE 15 Apr 65

time	species	# dir.	hgt.	remarks	loc
0605	begin observa	tins			
0608	()				
0615	Shear/ Ketre	2		Lean by watch	
0618	rs.	2 4		y .	
	Learlis?.	1			
0648	Blue-Bacad Booky			oubadult	
0650	Pomarine Tacques	3 N		Pubadult Il light	
0655	55 Bulwers p	1 NW		ð	
6703	Sulvers P SS	1			
		2 NW			
	Newells 5.	5 NE	(1 for sme) }	rovelling in a widely scattered group - 12	Tho
0726	shear/petrel	1	(.)	Newell's for some, other 4 too for to be certa	in but
0730	55	INWW		Probable.	
0750	shear/ setiel	71/			An
				white underparts - travelling flore - too	fai
0753	SS	1 inw		to tell anything work	
0809	55	ZWNW			
0809	wedgetails	2 101000			
0810	Birds	7)	ar horizon	
0811	Leach's St. Pet.				
0820	Sooty Ten	75 = 25 }		Freding Flock, large fish jump underneath	
	wedgetoil	10 \$ 5		Termite says were skipjack	
0837	Souty Tem	11			
0840	wedgetzi)	11/	1	ight ph.	
0850	cook +				
	wayetails	25+5 N 3		moving more than feeding perhaps not feeding	at all
0855	Leacher St. Petrel		1	may have been more wedgetzils	
0907	Wedgetail	1 5		Jark ph.	
0958	Sooty Shearwater	INW		N W =	
1030	Leach's P	1 NW		, 4	
1031	Ceach's P	1 1 10		, ,	
1038	SootyTern	18		$\mathcal{A} \subset \mathcal{A}$	
	Wedgetail Pros To			dar fed then spread	
1052	lom Jaeger			light	
1055	22	1+NW			

DATE 15 Apr 65
Pg. # 2

ime	species	*	dir	het.	remarks	loc.
	Wedgetail	2	NW		light - 10 . 0	
	55	1	NW		light - flying with Wedgetails	
1145	Sooty Tern	2.				
	Sooty Torn	5			moving	
1150	probably larger	1	on wat	1	Termite says he saw "skuz-like" bird with white patch on	
1705			,		head ?? Imm. tout?? I didn't see it.	
	Sooty Shearwiter Sooty Term ?)				in extreme distance (could be flock)	
	sooty Terr					
17 0	wedgetails				high, scattered, hunting flock	
1010	1	1)	closer, compact group 5 dark, I light	
	W.T. Tropicbird		31 			
1318	Sooty Tern	35.	75 >		teeding flock, wedgetails light in water	
	Wedgetail	17	15		Skipjack jumping	
1332	Sooty Tern	20	t10 >			
	wedgeta:1	5	15		Feeling (?) flock in distance - probably all dans	
1347	Leach's St. Pet.	W.				
1350	Sooty Term	3	7		feeding (?)	
	Wedgetzil	2			probably all land	
1402	show/peticl	1				
1430	Christmas Is	1				
1450	shear/peticl					
1452		1				
1610	izegen	1,	1 N	Low	an allie of the lile	
1613	Sooty tern	6	1	I	moving steadily	
1620	1 - Con			high		
					school at least 12 porpoises, short, very thick, black	
1628	1 degen	(N		blust-nosed looking on they breech. They don't come close.	
1630	Leach's St. Petr	11	1			
1727	Sooty Shearwate W.T. Tropicbiro		NNW			1
1747	Soots Ten		7		l d	5
4	wedgetail	12			donk boo.	11-
17//	Newell's S	. 1			down feeding	1 3
1755	55	*				
1808	Them/ setrel	1	N		might have been motted Petral	
1828		1,	W.		No.	
	Pom Jaeyer shear/actel	/	ww			
1829						

Scoty Shear

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG -- E

DATE 16 Apr65

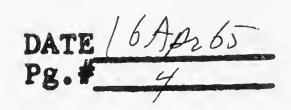
loc. remarks # dir. hgt. species time 0555 apparent sunrise - clear, smooth day 0602 NW R.T. Tropiching took off from water Leach's St. Pet. in in at one of those surface calm zones NW Wedgetzil 0631 light phase W Sooty Term 0639 SE seen by watch Wedgetail 0645 随回い light 0648 Sheary Petrel distant 0654 Leach's St. Pet. Sooty Term 0704 5 0709 wedgetail light 0714 Sooty Tern 5 Sooty Term 0730 wedge tail 0746 seen by watch 0802 Sorty less all black - large, slow love wrightents shows/pctrd 0808 tern sp. 0822 55 0930 Leach's P 0940 1000 Pour Tages NW light wedge tz: 1 1008 1030 Sooty Tern 10±5 feeding flock about 2 mi oway wedgetz:1 Booky Fairy Tern 1 one white today 1039 Tropic bird distant 1040 Pom. Laeger ON SE? Bulwer Petrol 1 1101 feeding flock Sooty Term 1120 23 ±3 Common Noddy one wedgetail dark phase Wedgetzil 1133 Leach's St. Pet. Sooty Tern 1134 Leach's St. Petrel Theur/petrel 1201 sitting on water - alldars 1204 Sooty Shear 2 NW N \$5 ZWW 1227 sitting on water 31 1240 94 Sooty Tem 65 25 33 Wedgetail feeding flors 20 ±2 398

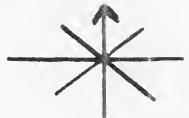
DATE 16 April 2

	ime	species	# dir. he	gt. remarks	loc.
l'	243	shear/petres	1		
1	245	Ceach of			
	250	Sooty Ten	15 tz	la carlina	
1	251	shew / petrol	3+	10 lad in same	
1	253	Wodystarl	3	beeding flushed in group light	
1	253	55	4 /NW	and the second s	
	1253	Sorty) am	3		
1	1256	Sontation	IVNW		
1	1300	((2		
/	312	shem/petrel Ceach of Sooty Tem Shem/petrel Leach of Wodystart SS Sooty Tom SS Sooty Tom SS Sooty Tom SS Sooty Tem	IN I		
		Wedgetenl	1	Reglit Ba Com	
		For Toeger	1	light feeding	
1	315	SotyTen	12		
		Frigate	1	features but salet once directly	
	1325	55		fredat 5 twes- but sightly once-dreetly werhead about of	
	1370	55		wheat and	
1	1335	Bulmer's P	,	3 de dy Territe	
		5 oots Tem	9	trouching	
	1352	Wodgetail	1	light-fried at 2 times scared him pretty bad.	
	1353	Bulmer's P			
	1357	bird		seen by Termite	
	1400	55	1 NW	small, tern or Bahvers	
1	1401	Nedydal N. P. Prop	1	fried at 5 tries	
	1402	Wedgetai	/		
	1405	SS	1 NW		
	1407	Leach's P	1	ni wi	
	1410	55	IVNW	12.	
	1420	Sooty Term	2 NW		
	1426	Leach's St. Pet.			
	1444	Sooty Tem Sooty Tem			
		Degret il	12/2	teach's at adge flock loose not observed to actually feed	
	14 -	Leach's			
	1503	I'm. Laeger	11 2	light	

DATE 16 Apr 65
Pg.# 3

1510 Footh Ferral 7 N - proth Fair look, quite gray top, wings tarken 511 Footh Rebol 1 N - proth Fair look, quite gray top, wings tarken 5128 Sooty Form 1 S 1530 Form (7) 1534 Leash 5 1. Fet 2 1542 Advisor 1 Pet 1 1543 Advisor 1 Pet 1 1545 Sooty Form 1 1540 Sooty Form 1 1540 Sooty Form 1 1603 Row Jacques 2 1604 Woodgotal 1 1610 Prid 1610 Prid 1617 Forgate 1618 Form Jacques 1 1619 Form Jacques 1 1619 Sooty Form 1 1619 Sooty Form 1 1610 Prid 1620 Leash 6 P 1630 Sooty Form 1 1630 Sooty Form 2 1640 Form Jacques 1 1650 Sooty Form 2 1650	ime	species	5		het.	remarks
Soly Term [] S Term [7] 1 1574 Leash's 4 Pet 1574 Subjection D Torm [7] 1 1574 Leash's 19 Pet 1574 Subjection D Torm Jean D Tor	1509	Leach SP		on c	voter	
Soly Term [] S Term [7] 1 1574 Leash's 4 Pet 1574 Subjection D Torm [7] 1 1574 Leash's 19 Pet 1574 Subjection D Torm Jean D Tor	1510	sooty (ern	2	1 -		erette fair look quite array top wings larker
1528 Sooty Term 1 5 Term (7) 1534 Leavis 1 fet 2 Term (7) 1542 Subject 1 1 1547 Subject 1 2 1540 Sooty Term 10 Temples 1 2 1603 Porn Jueges 2 1604 Wedgeterl 1 1605 Learlis P 1 1610 Prij 1610 Prij 1611 Frigate 1 1614 Frigate 1 1615 Pornsteeper 1 N 1619 Sooty Term 1 1620 Brid 1630 Sooty Term 1 1630 Sooty Term 2 1630 So	15 ((Molling relies		70 -		selly white but I had in evening on Jack me For really to
Tam (?) 1598 Leads S. Pet 2 1642 Budgetail 1546 Wedgetail 1546 Wedgetail 1603 Pon Jueges 2 1604 Wedgetail 1605 Leach of 1610 Prid 1610 Prid 1611 Ponstages 1 1614 Ponstages 1 1619 Ponstages 1 1619 Ponstages 1 1619 Sont Jenn 1610 Son						dely the four the same of the factorial
1534 Leach's 9. Pet 2 muster 1546 Delication Pet 1 1546 Canting P 1603 Pom Sneger 2 1604 Woodgeted 1 1605 Sort Jean 1 1614 Fregate 1 1615 Pom Sneger 1 1614 Fregate 1 1615 Pom Sneger 1 1616 Sort Jean 1 1620 Cardio P 1620 Sort Jean 1 1633 Sort Jean 2 1645 Sort Jean 2 1656 Cardio P 1658 Sort Jean 2 1658 Sort Jean 2 1659 Sort Jean 2 1650 Sort Jean 2 1		,		5		
1542 Dudychil I Jork ph. 1543 Dudychil I Jork ph. 1603 Pom Jacque I Ravelling 1604 Wodgstert I Rossing in water Vanit franchip 1610 brid 1614 Fregate 1615 Pom Jacque I N 1619 SS Third 1620 Cearlish 1620 Cearlish 1630 Soft Franch 1620 Cearlish 1630 Soft Franch 1620 Soft		4	1 1			far horizon
1546 Welgetsil 1 1547 Welgetsil 2 600 Sorty Jerm 10 603 Porn Juger 2 600 Sorty Jerm 10 604 Welgetsel 1 605 Leach of 1 606 Frij 600 Sorty Jerm 10 601 Welgetsel 1 605 Leach of 1 606 Frij 607 Leach of 1 608 Porn Juger 1 609 Sorty Jerm 1 609 Sorty Jerm 1 600 Leach of 1 600 Leach	1534		2	on wat	en	
1847 Jenny 100 Protection 10 Protection 100 Protection 10 Protection 10 Protection 10 Protection 10 Protection 10 Protection 10 Protection 100 Protection 10						1-16 06
1600 Sorty Ern /0 Fairy Tenn /0 Fairy Tenn /0 Fairy Tenn /0 Fairy Tenn /0 Hot Wodgetail / Hot Leach of / Hot Pringle / Hot Pringle / Hot Pringle / Hot Sort Tenn / Hot Sort Te		wedgets:1	2			dalk pr.
GOO3 Pany Juages 2 1604 Wedgetail 1 1610 brid 1611 Leach of 1 1614 Frigate 1 1615 Pany Juages 1 1620 Leach of 1 1620 Sind Term 2 1630 Sort Term 2 1638 British P 1 1638 British P 2 1650 5 5 Y N 1650 5 5 Y N 1650 1651 Leach of 1 1701 Leach of 1	1555	screws/ Retres	/			
1603 Pom Jaeger 2 1604 Wedgetail 1 1610 brid 1 1614 Frigate 1 1615 Pom Jaeger 1 N 1620 Learlist 1 1620 Learlist 2 1630 Sort Term 1 1630 Sort Term 2 1633 Sort Term 2 1634 Remoder 1 1635 Sort Term 2 1636 Cearlis P 1638 Belwebs P. 2 1645 Sort Term 2 1650 Sort Term 3 1650 Sort Term			10			4 00.
1604 Wedgetail 1610 brid 1611 Leach of 1 1614 Prograte 1615 Porn Jueger 1 N 1619 SS X NW 1620 brid 1620 brid 1635 Sort Ten 1635 Sort Ten 1636 Cearlis P 1638 Receiver P 1638 R	1, -	Dany len	//			pravelling
1604 Wedgeted 1 1610 brid 1611 Learlier 1 1614 Frigate 1615 Printsverges 1 N 1620 Cearlie P 1620 Sind 1620 Sind 1633 Sinty P 1633 Sinty P 1633 Sinty P 1634 Removed 1 1638 British 1 1638 British 2 1638 British P 1638	1603	Pom Jaeges	2			Bilt - Ole 1
608 Leach of 1 1610 frid 1611 Leach of 1 1614 Frigate 1615 Pom Joegen 1 N 1620 Cearlis P 1620 Cearlis P 1630 Sorty Ten 1630 Sorty Ten 1630 Remark 1 1638 Remark P 1638 Remark P 1638 Remark P 1638 Sorty Ten 2 S 1650 Sorty Ten 3 N 1655 Sorty Ten 2 S 1650 Sorty Ten 3 N 1655 Sorty Ten 3 N 1655 Sorty Ten 4 N 1656 Sorty Ten 5 N 1657 Leach of 1 1701 Leach of 1 1701 Leach of 1 1701 Leach of 1 1701 Leach of 1	1604	Wedgetail	1			O't +
1610 brid 1611 Leach of 1 1614 Frigate 1615 Parisager 1 1619 SS A NW 1620 Leads P 1620 brid 1633 Estain P 1633 Estain P 1633 Estain P 1634 Remarked 1 1645 Remarked 1 1645 Sort Term 2 Remarked 1 1645 Sort Term 2 1656 Leads P 1655 SS 1655 Lid 1657 Leach of 1 1701 Leach of 1 1701 Leach of 1 1701	1605	1 1 0 1 1 0	1			agh
16/1 Leach of 1 16/14 Frigate 16/15 Forn Jaeger 1 N 16/19 S S A NW 16/20 Cearls P 16/20 Bird 16/20 Sort Term 16/30 Bird 16/30 Sort Term 2 S 16/30 Sort Term 3 S 16/30 Sort Term 4 N 16/30 Sort Term 5 Sort Term 5 Sort Term 5 Sort Term 6 Sort Term 6 Sort Term 7 Sort Term 8 S 16/30 Sort Term 9 S 16/30 Sort	1610	1 1	1/1			
1614 Frigate 1615 Pornsverger 1619 SS Th NW 1619 SS Th NW 1620 Learlis P 1620 bird 1621 Sorot Tenn 1633 Sorot Tenn 1633 Sorot Tenn 1634 Remember 1638 Remember 1645 Sorot Tenn 2 S 1650 SS 1655 Lind 1657 Learlis P 1658 Remember 1657 Learlis P 1658 Remember 1701 Learlis P 16701 Learlis P 1701 Learlis P	17		11			setting in water 1/2 min + from ships
16/5 Ponssager / N 1619 SS 1620 Learl's P 1620 Sorts Ten 1635 Sorts Ten 1635 Sorts Ten 2 Wadgetand elean petrol 1645 Sorts Ten 2 S 1645 Sorts Ten 2 S 1655 SS 1656 had 1657 Learl's P 1858 Ponsager / N 1858 Ponsa	1011	Leachlot	1			
1619 SS	111.1	1	1,			
1619 SS NW 1620 Cearlis P NW 1630 Sort Ten 1633 Sort Ten 1633 Sort Ten 1636 Cearlis P 1 NW 1636 Cearlis P 1638 Bulwers P 2 NW 1638 Bulwers P 2 NW 1645 Sort Ten 2 S 1650 SS NW 1657 Learlis P NW 1657 Learlis P NW 1657 Learlis P NW 1657 Learlis P NW 1701 Learlis P NW 1701 Learlis P NW 1701 Learlis P NW 1701 Learlis P 1701 Learlis P 1701 Learlis P 1701 Learlis P NW 1701 Learlis P 1701 Learlis P 1701 Learlis P 1701 Learlis P NW 1701 Learlis P 1701	16/5	PoniJaeger	1	N		
1620 brid 1622 Sort Term 1630 Sort Term 1645 Sort Term 1650 SS 1650 SS 1650 hid 1657 Leach of 1 1658 Perm Jaeger 1 1658 Perm Jaeger 1 1701 Leach of 1 1701 Leach of 1 1702 SS	16/9	55	1	Nui		uzey
1622 Sort Tem 1630 Sort Tem 1630 Sort Tem 2 Bom Jayer Wearleted 1 Col Cearly P 1638 Balwers P. 2 1645 Sort Tem 2 S 1650 S S Y N 1655 Lind 1657 Learl's P 1658 Bran Jaeyer 1 N 1658 Cont Jaeyer 1 N 1701 Learl's P 1712 SS	1.				4	
1630 Sort Ten 2 5 1031 Rom Jayer Waystand 1 slendpetral 1 1638 Balvers P. 2 1645 Sort Tem 2 5 1650 S S Y N 1655 Local of P N 1656 Rind 1657 Learl of N 1658 Rom Jaever 1 N 1658 Rom Jaever 1 N 1670 Learl of N 1701 Learl of N		_	11			
1635 Sort Ten Rom Jaeger Wedgetard elempothed 1638 Bahweis P. 2 1645 Sort Ten 2 5 1650 55 1656 hid 1657 Learlis P 1658 Pom Jaeger 1 N 1658 Pom Jaeger 1 N 16701 Landis P 1701 Landis P 1712 55	1630	55	14			
Rom Jaeger 2 Sold Search 1 Sold Wedgetard 1 Scarling Reading 1 Sold Sold Cearly p 1 Sold Sold Sold Sold Sold Sold Sold Sold	1635	Sort To	7/	N		
Wedgetard 1 81636 Ceach's P 1 1638 Balweis P. 2 1645 Soots Term 2 5 1650 55 1655 55 1656 hid 1657 Leach's P 1 N 1658 Pem Jaeyer 1 N 1701 Leach's P 1 1712 55	3		2	30		1 11:
1636 Cench's P 1 1638 Balwer's P. 2 1645 Sorts Term 2 S 1650 S S Y N 1656 hind 1657 Leach's P 1 N 1658 Pom Jaeyer 1 N 1701 Leach's P 1 1712 S S		Wedgetard	1			Jeen)
1638 Balwers P. 2 1645 Soots Term 2 5 1650 5 5 1655 55 1656 hird 1657 Leach of 1 N 1658 Pom Jaeger 1 N 1701 Lent of 1	1/	1	1			3
1645 Soots Tem 2 5 1650 55 4 N 1656 hird 1657 Leach of 1 N 1658 Pom Jaeyer 1 N 1701 Leach of 1 1712 55						N The same of the
1650 55 1655 55 1656 hind 1657 Leach's P N 1658 Pom Jaeger N 1701 Leach's P N 1712 55			2			A. C.
1656 hind 1657 Leach of 1 N 1658 Pem Jaeyer 1 N 1701 Leach of 1	,		2	. 5		
1656 hid 1657 leach of 1 N 1658 Pen Jaeger 1 N 1701 Leach of 1 1712 SS	-		4	12		
1657 Leach's P N 1658 Pensaeger N 1701 Leach's P N 1712 SS		55	W	N		
1658 Pom Jaeger 1 N light 1701 Leach's P 1 1712 55			1			
1701 Leach's P 1 1712 55			1	N		
1712 55			1	N		light
		Lepth's !	1			
8 to 10' white-finned shark surfaces near Hydro activity		197	200	N		- 8 to 10' white-finned shark surfaces near Hydro activity





		1	dir.	hgt.	remarks			loc.
1810	Sootstern Wedgetard Newerlss	6				,		
	Wedgeton!	2			feeding finds	154.2		
1817	Newellss	/			wyer -	18/2 meedle	efish about 8"fle for a far feet.	shed
1873	Leash's P) less of	roia gargeer.	
	ì	8	5		travelling			
1830	Bulwer				c. +			
					sunset			
			,					
		9						
		4 6 8		14				
		1						

show petret

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 17 Apr 65
Pg. # 1

species # dir. hgt. remarks loc. 05 45 Walyetail before surrice 0542 Bagin obser 0626 shear/petrel white underparts-lunge. Level's D Wedgeton's Bulwer's P 0640 Soot Tem 0642 Wedgetail Wedgetuil SoutsTem tem speither Noddy or um Souty 0702 Bulwer's P 0708 Bulwer's P Wedgetar 0748 Sooty Ten 0813 Souty Tern moving directly Sooty Term 0825 Frigate bird Souty Shearwald 0828 0836 Sody Term Sooty Term wedgetz: 1001 Ral Phalarope NNE 121 1010 Bulwer's P 1020 Fany Tem 1040 WITB 1042 Soots Tem 1044 55 Bulwers P Wedgetail 1111 hight Bulwer's P 188 1116 Leuch to Petrel 112/ Sooty Tem 185 IZ5 shen petiel Fain-Tern Frigate 15±10 35 28 20 83 1150 Sooty Ten

DATE 17 Apr 65
Pg. # 2

time	species	5	dir.	het.	remarks	10
Noon		501	- The second second		teeding Flock	
	Fairy Ten	3	· · · · · · · · ·			
	wedgetail shear.	12	t5 /			
203		2				
216	Leach's St. Petrel	1			distant, high arcs	
	Shear./Pet/el	2	W			
318					circling flock, not actually observed to pull close	
1 - 11	Wedgetzil	45	1)		to feed	
324						
345	shear/peties soots Tem	30			seen by watel,	
407	(5	7	1			
		12	NW			
	Thear/petiel	/	NW		3 destart might have been 55	
440	shear / pelod	9	NUS			
449	Frigate Mottled P.	2			dog fightings seen quite clearly-arcinglight humpbacked	
500	Soots Ten	1	N		seen gunto clearly-arcinglight humpbacked	
	Noddy Term	1	110			
4	Wedgetund	15	±5			
	Fain Tem	4			feeding	
	Newell's S.	2				
1510	55	1	11/			
1515	Sooty Ten	75	±25			
	Thear / petiel	25	±10		feeding in distance	
1525	Sooty Ten	75	t25			
	Them Petrel	15			Doch.	
1/26		(folding	
1528		1			I sol	l
529	Mottled P	1	N		good look	
1530 1531	tem sp	1/	N			
18/535	Soot Tem	60	W ±5			
	Fairy Term	3	-5	,	1. 1 de divided & feed	1
1536	Wedgetuil	20			high then dropped to feed	
1540	lench's P	1			near flore	
154		1-1	NW	1		
154	-	1				
1555	0 3	1				
, 5 , 5	55	1				

DATE 17Apr65
Pg.# 3

	N
W.	2
	5

ime	species	#	dir.	het.	remarks	loc
1600	Sooty Shearwater					
601	shearwty/Petrel Leach's:P	10				
	Bulwer's P	20			no feeding activity noted - flort fairly tright	
					go) of anecronally - boosed like then	
					were muling but no oil she's or dead things sean	
			V C		Vin shot I leach to Petrel 1615 - started to driggle	
					just after the flock-maybe it was a storm dance they	
627	sooty Ten	3			were performing # 05/8 /9"48"N 154°00" W 85x3	
,40	RT Tropic bird	2			tistent, diver at timer	
47	Newell's Shearwate		W	-		
50	Wedgetzil	1			light	
57	Bulmeri Pet.	1				
59	wedgetzil	2	-		light	
05	Bulwer's Petral Bulwer's	1				
720	Sooty Tern	3	w			
721	Leach's St. Petro		S	-	skimming, water walking	
29		(
5	** (/	2			light	
2	leach of				3 seen by watch	
2:	Bulwers	1	1			
30	Leach's P	1/				
835	endo	62	ma	Low		
			1			
		1		1		

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 18 April 5 Eastern Pg. 1

-1ma	species	s dia	r hgt	remarks	loc
ime 0530	BFA			sear by watch	
	r=66it			large, white seen by watch	
0557	begin als	ervati	nio -	- sun apparently already up	
0615	wledgetz:1				
 0622	Bulwer's Pet.	2 50	~	+ light	
0630	sooty Torns	5 W	7	traveling -	
	wedgetails	2		lichet	
	Shear/Petrel	1 -	-	distant	
0633	Pom. Iseger	1 W-		+ light	
0635	wedgetzil (4)?	1 =		dist.	
0638	Tern	1 -		dist.	
	Mottled (4) Petrel	11-		Termite sees + identifies, I don't.	
0652	Bulwer's Petral				
0745	Sofy Shearw. Mottled Petrel		2 2	- seen by watch	
0758		1	JE -	I saw this one well	
0 0 -		1			
120//	shear/petrel	1		4	
M -	Newell's 5				
0816	SootsTem	/			
	shear petel				
	Wedgetan			light	
	shear/petal	1 1	16		
0915	Wedgetail	The state of the s		1 int	
0925	Jaegersp	1		probably Long Tailed - mice hight phase with	
0932	temsp	1 al	ldul	grey back + wrige, white need + black cap	
0945	/			Tail medin long, slender central rectures	
1,12	Leach's D	111		protuding 4"+ all white underparts	
				producted by mater	
1013	Leach's st. Pet	2		Hushed from water.	
1024	Blackfoot Alb.	1 17 -	ollow		
1700	Blackfoot Alb.	2	-	- Z NOW	
1101	Wedgetoil		7		
1140	Sooty Shearwater	MI	J		
1230	Laysan Albatros		=	1315 2 RFA 111	
1		1 / X	$\sqrt{}$	1315 2BFA + 1 Layson 1330 1 RFA = 1411	
11728	122	UN		1530 1 BFA caught + banded#757-60943	3
				23°30N 154°00′W	
				1345 3 RE, completely black rump.	
1420	Phalarope	11:	5 ?	1345 3 BFAS now sitting near ship	
1515	Shew Petrel	2 (-	_	distant	
1612	Mottled P		\vee		
				very close - maybe flushed	

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 18 Aprilo Pg. # 2

loc. remarks time species # dir het. Sooty Tem 75 Ils feeding at a distance shear/petel 15 ±10 1650 Pom Jaegar 1 light with promient rectinies (h) mottled P. 1700 MSTS Ship passed at 8 miles - impossible to see albetros at that distance South Tem 2 Jaeger 27 Jaeger chasing Terrs of Adown saround NEE 1716 Leach's P. 1718 55 1730 / DEA 55 mottled P 1800 1802 Sooty Ten? N } Flock moving Shear/Petrel 5 I NW 1804 Sooty Shearwater Newell's Sherrw. 1807 Leach's St. Pet. 1815 Sooty Shearwater 2 whale? 1817 Sooty shear w. 1818 Sooty Ten 1818 1838 hrs. 4 BFA CEASE OBSERVATIONS SUN EXTINGUISHED! 1840

DATE 19 Apr65
Pg. #____

begin obse BFA tern ep 'each's Peter jaeger sp.				
	1		small type jægers gley brown above - whiteh	
Frigate Leach's P Leach's St. Pet	2		below-did not have the fine plumage of the bird of the 18th, nor langthy central rectives 0650 2 BFA	
Wedgetail Leach's st. Ret. Bulwer's Petrel Leach's st. Ret. Sooty Shearwaten Leach's St. Pet.	(5W		Jark watch reports @ 830 3BFA	
Leach's Sooty Shearwater Leach's P valges sp Frigate Layson A.			lovred lile small + ype - fairly far	
Leach sp Leach sp	1 Nu	204	I collected by King # 0519 constant flapping, flight directional flying higher than mornal	L-
Leach's St. Pet. Sooty Shearwater Gr. Frigatebird Pom. Jaega	(- 74 mi	Ad. 9, 1 Imm. 9 - observed persistantly chasing, even occasionally seeming to peck back of the Imm. 9 Friests mentional at a 2000 in the	N W.
South Tem South Shear RTTB	1 NW 1 NW		1400-1600 OBFA Hushed - printed.	
	Leach's St. Pet. Leach's St. Pet. South St. Pet. Sooty Shearwater Leach's St. Pet. Sooty Shearwater Leach's St. Pet. Sooty Shearwater Gr. Frigatebird Pom. Jaeger Sooty Shearwater Sooty Shearwater	Leach's St. Pet 1 Swedgetail SW each's St. Pet 1 Sulwer's Petrel SW each's St. Pet. Sooty Shearwater I W Leach's St. Pet. I each's St. Pet. I each's St. Pet. I Leach's St. Pet. I Leach's St. Pet. I Sooty Shearwater I Value of Sp. Pet. I Sooty Shearwater	Ceach's St. Pet 1 Seach's St. Pet 1 Seach's St. Ret. 1 Sooty Shearwater 1 Leach's St. Pet. 1 Leach's St. Pet. 1 Leach's St. Pet. 1 Leach's St. Pet. 1 Leach's St. Ret. 1 Sooty Shearwater 1 Cor. Frigatebird 2 circle 4 mi Sooty Shearwater 1 Sooty Shearwater 1	Crigate Clearly of P (wash's St. Pet SW each's St. Pet Sw carding learly Pringate Learly Learly Learly Pringate Learly Lea

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

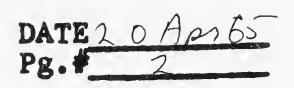
DATE 19 14 PA 65 -

ime species	# dir. hgt.	remarks	loc
ime species 1554 Rom Jaeger 1559 SS 1650 Newell's Shear. 1658 Leach's St. Pet. 1700 Leach's 1810 Rom Jaeger 1825 Herald's P?		- 60 antiful, 6 right white 60thy - all take off + scatter but were very dose on water 1625 1 BFA Dark rump 1800 7 BFA Meanly Wedgetailed size - dark upperparts dark brown upper breast, lower breast of abdover white underwing had white along center, onter edget dark of uncertain thickness, flew close by bow on fairly stiff wrings - fined thrice but no hard, almost come back again but wheeled + fell astern.	loc

DATE 20 Apr 67
Pg.#____

ime	species	# dir.	het.	remarks	1
0536 0600 0606	begin ob. Blackfoot Albatros, Sooty Shearwater			first observed	
0722 0810 0820	Sooty shearwater Bulwers P Bulwers P	(Lan		seen by watch	
0835	tropillind up	1 Nu		seen by capt	
937 6945 948	Bulwer's P Sorty Tem Ceach's P	2			
1101	Wedgetzil Sooty Term Bulwer's Pet.	2 -	very	light	
1205		25 ±2		small, light gray-white - not Fainy Ten-t	being
1205	Souty Shen	2/		light fleding	
1305		1400		seem by capet.	
1355	55	1 NU 1 NU		blackish beer, all white undergants fast,	
1420				high arcs -	
1432 1433 1442 145.0		di	7	1500 1 BFA	
1602	Sooty Term Newell's S 55	1 50	J		

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E





time	species	*	dir. h	gt.	remarks	10
\$ 706	Leach's P Kermadec P	1	N		durkphase	
1712		1				
1728	Pulvers 8	1		ŝ		
1733	Leach's St. Pet. Leach's St. Pet					
	Leach's St. Pet	l i				
1830					- sun down. Observations suspended till reappearance	
		200				
		21				
		1				
				·		

DATE 21 Apr65
Pg. #____

		N	1	n om a wie a	loc.
time	species	dir	het.	remarks	
10					
053		ervateri	,		
063	- agent	2 Xh		light	
063	- Joseph South				
0640	11/40	1		- white underparts - wedgetail suged	
0658					
065	7 Arctic Ten	Nu		blood o'co o' + + + + 10 &	
071	2 Leach's D	N		red bill, light grey mantle black caps	
071	. - 62				
07/	To be a first	2		light	
072	Je sale			light	
073		/			-
074	17 - 6	1		seen by watch might have been Archi Tem	
	Petrel	9115			
075	> Souts Tem	1 NL			
080	1, 11	2			
081		,			
083			'W		
083		14 7		- Feeding Flock	
0.07	wedgetzi (3 3			
083	. 1/.				
09	101.	. 62			
09	50 wedgetzil	(W			
099	8 Sooty Ten	- I NO			
10.					
10	35 Scroty Ter				
	2 0 1	1/			
14,					
16	1			- Far distant propably sooty shan	
169				1 * 6 .	
17					
17	Leach's St. Pe	t. Conv	ate		
	32 Shear petres	1		may have been dank phase Kermadec P.	
17	, , , , , , , , , , , , , , , , , , , ,				
	36 Bulvers Pate				
	43 Wedgetar 53 shear/petre	7. 1			
18	18 Shour/ poli	el 2		distant 1820 Soots Krs 1822 and als	savations

DATE 22 Apr 65
Pg.#____

٤.	38
\rightarrow	
ري ع داده	NW # 11

	دا	Nu	, 3			
time	species	A.a.	dir.	hgt.	remarks	loc.
0400	Newells Shear	(-	seen by watch (Termite) in lights	
0538	begin ob	er	vatro	i		
0538	Sooty Tem	2.				•
0545	Jan Fernandez	1	N		white undertail coverts plain SUNUP ABOUT NOW	
0620	Sooty Term	2	N			
0624	souty shearwater	2.	NW		11/1/0 1/1/4 con the will	
0830	Bird	1		1	seen by Termite white petrellike, light gray on top with	
0856	JF.P	/			thin 61zck edge on upper site of wings. Wegetail size.	
0854	(5	8. · A.	and the same of th			
1040	Shearwater/Petrel	1			distant	
1109	Leach's St. Pet	1			J 151 2001	
1111	Leach's St. Pet.		7		not observed to feel, but may've been	
	Bulwer's Petrel	2	5			
1112	Leach's St. Pet. Bulwer's Petrel	1				
	Sulver's Petrel					
	Sooty Terr					
1324	Bho-fuced Bod	1				
1334	show / petret	,			or 2 brown beathers seen in upper wings- otherwise adult plumage alldark-flying very fast- seen by Howard	
					all dark - blying en Fast - so I Harris	
1330	Soutjen	26	£2		Joseph Jo	
_	Fainy Term					
	Jaeger	1			4" central ractures - pointed - greyesh-durenalwe, by	n below
1	Bho Fared Both				fleding rottices pointed greyish-durendowe, bylit most likely same as 1324 members intermediate	plungs L.
						mase
1400	SootyTen	10	tZ			
	wadystails	2			travelling	
	Nodyetails tem 200 Sooty Shearwater					
1423	Sooty Shearwater	4	NNW		might have been Noddy	
1446	Blue-faced Broby	3			Discont substit Much book due tock head + 1	
(170	1) (ac 1804 VIV.)				digresient subsdult. Much dark plan back, head tail	
153C	Leach's St. Pet.	(]			Follow till 1516 (chased couple Flying fish) finally lights muster	
1558	Leach's St. Pet.	(
1617	SS	40	NW			
1175	L 1. 1					
1635	Tropichud	1				
1637	55	4	4/			
1650	Dard rungede	/	\sim			
1655	show / Retre!	1			very dand back fairly pronounced black edges to	
1705	0 1				undering	
	Wedgetal	1	n l			
1815	7		N		dark	
(01)					SUNDOWN QUIT	

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 23 Apr 65
Pg. # 1

os40 comie? os545 beam observations os60 Ten Tomogel os60 Tend of the	100
0545 begin observations 0610 J-P 0617 J-P 0617 Sorty Shear 1 NW 0658 Leach's P 0717 J-P 0722 J-P 0724 J-P 0724 J-P 0729 shear/paty 0729 shear/paty 0729 shear/paty 0729 J-P 0724 J-P 0729 shear/paty 0817 Leach's St. Pet 1 S 0817 Leach's St. Pet 1 S 0817 Leach's St. Pet 1 S 0822 weightil 0825 Leach's St. Pet 1 O835 leach's St. Pet 1 O835 leach's St. Pet 1 O835 leach's St. Pet 1 O843 J-F Retrel 0843 J-F Retrel 0843 J-F Retrel 0843 J-F Retrel 0943 J-F Retrel 0944 Sorty St. Steamed 0945 Sorty J- 0946 Sorty Steamed 0947 Shear/paty 0957 Shear/paty 0958 Sorty J- 0958 Sorty J- 0958 Sorty J- 0968 Sorty J- 0979 Shear/paty 0979 Shear/p	loc.
0545 begin observations 0600 Jeps 0610 Jeps 0658 Leady & P 0717 JEP 0722 JEP 0722 JEP 0724 JEP 0729 sheen/poted 0753 JF Petrel 0753 JF Petrel 0753 Leady 51. Pet 0817 Leady 51. Pet 0817 Leady 51. Pet 0817 Leady 51. Pet 0825 Leady 51. Petrol 0825 Leady 51. Leady 51. NW 1010 Soot, 51. Leady 1017 Sheen/petrol 1025 Sheen/petrol 1035 Leady 62. 1047 Sheen/petrol 1055 Sheen/petrol 1065 Sheen/petrol 1075 Sheen/petrol 1085 Sheen/pe	
0600 Juniforandal 1 0610 JFP 0657 Sooth Shear 1 NW 0658 Leach's P 0717 JFP 0722 JFP 0724 JFP 0729 Shear/path 1 0817 Leach's St. Pet 1 0817 Leach's St. Pet 1 0822 Wedgetail 0825 Leach's St. Pet 1 0825 Leach's St. Pet 1 0825 Leach's St. Pet 1 0827 Shear's St. Pet 1 0827 Leach's St. Pet 1 0828 Leach's St. Pet 1 0829 Shear's St. Pet 1 0922 Wedgetail 0825 Leach's St. Pet 1 0825 Leach's St. Pet 1 0927 Shear's St. Pet 1 0928 Sooth Team 0928 Leach's St. Pet 1 0943 J.F. Pet el 1 0944 J.F. Pet el 1 095	
065 7 Sort Shear 1 NW 065 8 Leach of 1 0717 JFP 0722 JFP 0724 JFP 0729 Shear poly 0720 Sorty Shear 0730 Loach of 0740 Shear poly	
0658 beach's of 1 0717 JFP 0722 JFP 0724 JFP 0729 showly petal I 0729 showly petal I 0729 showly petal I 0729 showly petal I 0753 JF Petrel I 0817 leach's SI. Pet 1 0817 leach's SI. Pet 1 0818 Lach's SI. Pet 1 0822 wedgetail I 0835 leach's SI. Pet 1 0835 leach's SI. Pet 1 0835 leach's SI. Pet 1 0837 Blue face Bosby I 0905 Sooty Ten 1 0905 Sooty Ten 1 0904 JF. Petrel I 1004 Sooty SI. Set val 1004 Sooty SI. Set val 1007 Showland I 1008 Sooty Shearata I 1010 Sooty Shearata I 1017 Shear petal I 1018 Sooty Steam I 1019 Shear petal I 1018 Shear petal I 1019 Shear	
0658 beach's of 1 0717 JFP 0722 JFP 0724 JFP 0729 showl pated I 0817 leach's SI. Pet I 0817 leach's SI. Pet I 0817 leach's SI. Pet I 0818 J.F. Petrel 2 pto water 0822 wedgetail I 0815 leach's SI. Petrol 0835 leach's SI. Petrol 0835 leach's SI. Petrol 0935 leach's SI. Petrol 0943 J.F. Petrol 0945 leach's SI.	
0724 JFP 23 book of the look mold on both fairly broad white mape on one dock above, white helm upper breast not seen longed chundy not SFP or Wedgetant 0817 Leach's St. Pet 1 2 petro note 1982 Leach's St. Pet 1 19825 Leach's St. Petrol 1 19825 Leach's	
1729 shew/pety Sold molton both fairly broad white mape on one dock above, white helm. upper breast not seen-lings of chimely not JFP or Wedgetant of 22 wedgetail of 25 heads st. Pet. 1 1 19ht ph 25 e 10835 heads st. Petrol of 25 heads st. Petrol of	
orage shew/ patul orage showl white mape on one dock above, white helm: upper brenet not seen- longed chung - not SFP or Wedge tout orage of chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage on one longed chung - not SFP or Wedge tout orage or orage light place or	
dock above, white helm - upper breast not seen- longe & chundy - not JFP or Wedgetand 1 JF. Petrel 1 JF. Shear	
dock above, white helm: upper breast mot seen - longed chundy not SFP or Wedge but 0817 Leach's St. Pet 1 0817 J.F. Petrol 2 yet or stee 0822 Wedget zil 0825 Leach's St. Pet. 1 0837 Blue for Borby 1 0905 Sooty ten 0925 Leach's St. Petrol 0943 J.F. Petrol 1043 J.F. Petrol 1004 Sooty (3) Shearwise 1 NW 1010 Sooty Shearwise 1 NW 1010 Sooty Shear NW 1017 Shear/petrol 1025 Sooty Ten 1035 Leach of. 1047 Shear/petrol 1047 Shear/petrol 1047 Shear/petrol 1047 Shear/petrol 1055 J.F. P. D 1065 J.F. P. D 1075 Shear/petrol 1085 J.F. P. D 1085 J.F. P. D 1085 J.F. P. D 1086 J.F. P. D 1086 J.F. P. D 1086 J.F. P. D 1087 Shear/petrol 1088 J.F. P. D 1088 J.F. P	
larged chundy not SFP or Wedge tout 0817 Leach's St. Pet. 0818 J. F. Petrel 2 promuste 0822 Wedge tril 0825 Leach's St. Pet. 0835 Leach's St. Pet. 0837 Blue face Booky 0905 Sooty term 0925 Leach's St. Petrol 0943 J. F. Petrel 1 MW 1004 Sooty (3) Shearwala (NW 1010 Soots Shear NW 1017 alean petel 1017 alean petel 1025 Soots Term 1036 Leach of. 1047 shear petel 1108 J. F. D 1109 J. F. D 1108 J. F. D 1109 J.	
0817 Lezch's St. Pet. 1 0819 J.F. Petrel 2 pto water 0822 Wedgetzil 0835 Leach's St. Pet. 1 0835 Leach's St. Pet. 1 0837 Blue-Fare Booky 1 0938 Scoty term 0925 Lezch's St. Petrol 1 0943 J.F. Petrol 1 0943 J.F. Petrol 1 Volume Sooty (3) Shearwale 1 NW sits down 100' zway 1010 Sooty Shear 1 1017 Shear/petrol 1 1017 Shear/petrol 1 1018 Soots Term 1035 Leach of. 1 1047 Shear/petrol 1 105 J.F. P. 1 105 J.F. P. 1 105 J.F. P. 1 106 J.F. P. 1 107 Mean/petrol 1 108 J.F. P. 1 109 Mean/petrol 1 109 Shear/petrol 1 109 Shear/petrol 1 109 Shear/petrol 1 100 J.F. P. 1 10	
0817 Leach's St. Pet 1 0819 J. F. Petrel 2 y from water 0822 Wedgetail 1 0825 Leach's St. Pet. 1 0835 Leach's St. Pet. 1 0837 Blue-face Bosby 1 0905 Scoty term 0925 Leach's St. Petrol 1 0943 J. F. Petrol 1 1004 Scoty (3) Shearwater (NW Sits down 100' away 1010 Scoty (3) Shearwater (NW Sits down 100' away 1017 Shear/petrol 1 1017 Shear/petrol 1 1018 Sooth Tarm 1035 Leach o P. 1045 Shear/petrol 1 1047 Shear/petrol 1 1047 Shear/petrol 1 1047 Shear/petrol 1 105 J F D mottered brown back, almost modern underwring edge.	
0819 J.F. Petrel 2 pton vote 0822 Wedgetril 1 0825 Leach's St. Pet. 1 0835 Leach's St. Pet. 1 0837 Blue-face Booky 1 N 0905 Sooty term 1 N 0925 Leach's St. Petrol 1 0943 J.F. Petrol 1 0944 Sooty (3) Shearward (NW 0945 J.F. Petrol 1 0945 Sooty Shear Delay 1 095 Sooty Term 1 095 Sooty Term 1 095 Shear Petrol 1 0947 Shear Petrol 1 0948 J.F. Petrol 1 0949 J.F. Petrol 1 09	
1982 Wedgetzil 1983 Leach's St. Pet. 10837 Blue-Face Booky N 10905 Sooty ten 10943 J.F. Petrel 10943 J.F. Petrel 1004 Sooty (3) Shearwia NW 1010 Sooty Shearwia NW 1017 Shear/petrel 1025 Sooty Ten 1035 Leach of. 1047 Shear/petrel 1047 Shear/petrel 1047 Shear/petrel 1047 Shear/petrel 1055 J.F.P. 1065 J.F.P. 1065 J.F.P. 1065 J.F.P. 1075 Shear/petrel 1075 Shear/petrel 1075 J.F.P. 1075	
0825 Leach's St. Pet. 0835 Leach's St. Pet. 0837 Blue-Face Booky N 0905 Sooty term 0925 Leach's St. Petrol 0943 I.F. Petrol 1094 Sooty (3) Shearward NW 1004 Sooty (3) Shearward NW 1010 Sooty Sheal NW 1017 Shear/petrol 1025 Soots Term 1035 Leach of. 1045 Shear/petrol 1047 Shear/petrol 1047 Shear/petrol 1047 Shear/petrol 1047 Shear/petrol 1047 Shear/petrol 1047 Shear/petrol 1055 J.F.D 1065 J.F.D 1075 T.F.D 1085 J.F.D 1086 J.F.D 1086 J.F.D 1087 J.F.D 1088 J.F.D	
0835 Leach's St. Pet. (0837 Blue-Face Booky N 0905 Sooty tern N 0925 Leach's St. Petrol 0943 J.F. Petrol Flushes from water by ship carrying 12" long squid(?) in back 1004 Sooty (?) Shearward NW 1010 Sooty Shear NW 1017 Shear/petrol 1025 Sooty Tern 1035 Leach of. 1045 shear/petrol 1045 Shear/petrol 1047 Shear/petrol 1047 Shear/petrol 1048 TFP 1050 JFP 1060 mottled from back, almost no dark underwing edge.	
0905 Sooty term 1 0925 Leak's St. Petrol 1 Flushes from water by ship carrying 12" long squid (7) in beak 1004 Sooty (3) Shearwater (NW Sits down 100' away 1017 Shear / Petrol 1 NW 1017 Shear / Petrol 1 NW 1025 Soots Term 1 1035 Leach of. 1045 shear / Petrol 1 1047 shear / Petrol 1 1047 shear / Petrol 1 1055 J F D 1 mottled from back, almost mo dark underwing edge.	
0943 J.F. Petrel Flushes from water by ship carrying 12" long squid (?) in beak 1004 Sooty (?) Shearwate NW 1010 Sooty Shear NW 1017 Shear / petral 1025 Soots Tern 1035 Leach of. 1047 Shear / petral 1047 Shear / petral 105 J.F.D mottled brown back, almost no dark undersong edge.	
1004 Sooty (?) Shearward (NW sits down 100' 2way 1010 Sooty Shearward (NW sits down 100' 2way 1017 Shear/petral (White underpoints large 1025 Soots Term 1035 Leach of. 1047 Shear/petral (mottled from back, almost no dark underwing edge.)	
1004 sooty (3) Shearward NW sits down 100' away 1010 Sooty Shear NW 1017 Shear/petral White underpoints large 1025 Sooty Term 1045 shear/petral 1047 Shear/petral 1105 J F P mottled brown back, almost no dark underwing edge.	
1010 Sooty Sheal NW 1017 shear/petrel 1025 Soots Term 1035 Leach of. 1045 shear/petrel 1105 J F D mottled brown back, almost no dark underwing edge.	
1017 shear/petrel 1 1025 Sorts Term 1 1035 Leach of. 1 1045 shear/petrel 1 1047 shear/petrel 1 1105 J F P , mottled from back, almost no dark underwing edge.	
1025 Sorts Tem 1 1035 Leach of. 1 1045 shear/petel 1 1047 Shear/petel 1 1105 J F P 1 mottled from back, almost no dark underwing edge.	
1035 Leach of. 1045 shear/petel 1047 shear/petel 1105 J F D mottled brown back, almost mo dark underwing edge.	
1045 shear/petel 1 1047 shear/petiel 1 1105 JFP , mottled brown back, almost mo dark underwing edge.	
1047 Shear/petrel 1 1105 JFD motted brown back, almost no dark underwing edge.	1
1105 JFD , motter som back, almost no dark underwang edge.	
1105 Dard-rump P. 1 Phished from water -	
Dare sump P.	
dare back, mere reach under	
Dard-sump P. Joseph back, thick black underwring edges 1/35 Tooty Tess. Dr. pflished first - seewed to avoid ship wore determinedly	
1137 RTTB / flushed	
noon Leadi's S.P. 2 medin - darkabove, white below	
1255 ()	
1258 Sooty term 2015 } Feeding flock in dist	
Shearn/Patrols 512 } teeding flock in dist.	
1328 Wedgetail	
J.F. Petrel 1 light	
1400 Sorty Terry 25 + 2 teeding	

W = E

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

DATE 23Apro57
Pg. 2

	species	# dir.	hgt	remarks	100
	shear/petiel			sear by watch	
	shear/petel	1			
1415	JFP	14 hw			
		B B			
1449	Sooty Tem Sooty Tem				
	Soon lens Soar/potel	50 t/0 5t		feeding at a Instance	
1450	shew/petrel	1			
	Pale-Footed Shear	IN		large white fill - Dance bully all dark including	
1525	Sorty Tem	3		lage vlite till-lage bally all dark including underwing-flight unhuried even in high wind.	
1527	Bulwers?	1			
	JFP Leach 10P	1			
1715	show/Petrel	(N			
1736	Wedgetail				
1740	JFD	1		light	
1750	shear/petrel	2 NW		J=PorWadgetail	
1758	TFP				
1805	end ob	servati	ous		
		3			
	3				

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 24 Apr 65
Pg.# 1

loc. remarks # dir. het. species begin observations Leach's St. Pet. 2 Leach's St. Pd. Leach's st. Pet. 0658 0701 sooty Term E 0705 Sooty Tern moving around, not feeding 0717 Wedgetzil Jark 0726 Juan Fernandez P. N Sooty Term Wedgetarl 0732 feeling flock light 20\$5 0823 Sooty Show 1 NW Learl of NW 0847 shew petrol 1906 Lead & P Wedgetail NW Leach's P 0952 NW Sooty Term 1110 seen by winchman during Hydro sta. Shear/Petrel 1115 Leach's st. Pet. 1150 BWP 1220 Cools Fetrel
1238 Leach's St. Pet. NW Bird 1240 3 on horizon (portion of flock?) 1300 1300 500ty Jem 1355 RTTB feeding? sitting 1605 Leach's St. Vet. 55 1606 1611 Newells S / NW 1722 Wedgetail light 1810 end observations

W = 2

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

DATE 25 Apr 65
Pg. # ______

time	species	# dir. het	remarks	٦
0500	RFB?		all brown - probably RFB imm seen by watch	
	Leachisp		seen by watch	
	begin obse			
	Blue-faced Povla		subadult - white head week - wings + back hrown with white fleads.	
0655	Jaeger sp	4	not sure of size.	
	WITE	1	Jaeger chased tropiclaid uptdown for a	
710	Lead to P	3 NW		
0756	sooty Shear	1 NW	minute or Do, then gave up.	
0845	Leach's St. Pet.	1		
0949	Wedget zil		- light phase	
1	Leach's St. Pet.			
	temsp.	1 N	maylime been Arctic len- too for	
	Shear/potel	1 N	may have been Sorty Thear.	
	R.T. Trapic bird			
1535	Level's P			
1538	beautis P			
1608	chear/petrel			
1702	. C. / Cropie	1 on water		١
1700		1 11		1
		I NE	san pale 6:11. Wedgetail-sized	
1739	1.0000	1 NW		
1752		/		
1758	Leach's P.			1
1802	leach of	/		١
1815	end of			
1017	The offer	Personis		
				1
				1
				1
				1
	1			

DATE 26 Apr 65
Pg. #_____

ime	species	#	dir.	hgt.	remarks
	la de		-p		
	begin obs	en	w	7	sun long of Fact Flight
0642	Storm Petiel				poor look, very Fast Flight
	Leach's St. Pet.			mann author and any p	George saw 'en
810	jægersp?		W		distant
	Leach's St. Pet. Leach's St. Pet.	1			
	Leach's St. Pet.				
	R.T. Tropic Gird	1	up Fr	m water	
	Leach's St. Pet.	III.	9	m water	
1307	Leach of	,			
1309	Sooty Ten				
	leach 's P	,			
1315	Sooty Tem	,			
1350	1 7	/)		
					flished. seen by watel
1420	Asitu Ten!	12			one howed, dived, timed o joined mate
421	leach's P.	1			
1530	Bulmer Retrel	1	NE		
1601	Bulwer's Patrel	(
1651	learl's Potal	1			
1640	Arctic Term	4			la morning of in some tella circling
	Bulwer's P				hovering, diving repeatedly, circling
1	AreticTen	9			1 o' d' et - come close enough for
					hovening the sound of
1800	Leach's r. P.	1			hovering, diving ete-came close enough tos Ishot but apparently no hits.
1812	Rend	1			
		2	N/		- 621 light, Flaps heavily
	rooty Shenwite		/ 0		
1820	0-10		4.		
	ouser	wa	tions		
		1			

MNH-958 8-64	e ω —	N E	SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E DATE 27 April Pg. F	
time	species	s # dir. hgt.	remarks	loc,
0627	begin obo Leach o Petel BFA Souts Shear RTTB Arctic Tem RTTB Souty Shear Souty Shear Souty Shear		OS49 28F/t flushed 0610 small (50) school of squid broke surfue flushed-pine squid small · 3" seemed curious about ship - flew slowly, flapping occasionally - reemed englarge - cleart whiteils central part of underving but somehow bird loveled	
0755 0758 0808	Sooty Slews Leach's S.P.		osoo 3BFA at stern try to chum. They grab + run try to	starl A-

	0000	vegin our				
	0525	Lead o Petel	1			
	5525	BFA	\	1 10		
			(follo	<i>ا</i>	
	: -	Souts Shear	1	NW		
		RTTB	1			0549 2BFA
	0608	Arctic Tem	1	141		flushed
			1	NW		0610 small (50) school of squid broke surface
			2			ll 1 - Synid small - 3"
		Sooty Shear	1	NW		flushed-pine symid small . 3"
	0745	Sooty Shew	1	E		
					,	seemed amons about ship - flew slowly, flapping
						rasionally - seemed very large - clear whitis!
						central part of undering but domehow bird loved
	0755	c + 5,		Miles.		to different,
		Sooty Slews	1	L		
	5758	Lead's P				
			/			08003BFA
		Leach's S.P.	ス			at stern to the
	0817	Arctic Term				at stern try to chum. They grab + run, try to steel from other.
5W	, ,	1110110	1			11 11 other.
551	0903	Leach's St. Pet.	1			
NC NC	10,00	Legen > c o	1			
		Sooty (?) shear.				
	4 110	reach's ib				distant
		Leach's S.P.	1			
		Leach's S.P.	1			
	0955		(seen by watch (George) id by capt. (?)
	1005	R.T. Tropicbird	2_	circle	ship	
	1017	lead op	1		1	
	1043	bird		1		
	1052	Leach to P.	(may have been jaeger - vanslad in thisain
	1	Level's P	/			
	1105			1.		
		Leach of	1			1100 3FA has it wingtip leaturg-
	Mo	Ceach 1, P	1			
	1118	Leach to P	6			may have been broken at wist - Privary feathers
	1130	RTTB	1			
	1132	Leach of.	1			whitered and fraged
			/		1	Mend out, very loose flock
	1/40	teach of	1			I almost ran over him - white with fine long red spice
	150	Sooty Shear	1	NW		
	1230	Leach's S. P.	(1	1200 5 BFA
	1259	Leach's St. Pet.	1			reported by worth
		71.10.	1		1	1300 3 BFA
	1305	Leach's St. Pet.	1			·
	1312	Leach's St. Pet. Layson Alb. Leach's St. Pet.	i		m = 1 = 1	circles ship then follows.

SE B SW

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA DAILY LOG — E

DATE 27 April 1965
Pg. # 2

			5 N	12	•	remarks loc
131		species Leach's St. Pet.	*	dir.	hgt.	remarks
13:	77 6	Leach's St. Pet.	ì			goes right to the group of 3 BFA, I Layson A. when those land together
133		Sooty Shear	/	Indexed and		
		Cacho P				1403 - 70FA+ 1 Layran
		Lood's P	(NW		
150		lead of	1	NW		
		Sooty Shear Arctie Tem		Market P		flished?
15	57	Cearling P	1	NW		
15	58	show/petal	1			
		Ceach of	2	NW		
16	08	Leach's St. Pet Leach's St. Pet				
16	, ,	Leach's st. Pet. Leach's St. Pet.	11			
	25	LSP Shearwater/Petrel	Li			distant
16	38	Bulwer's Petrel	12	NW		O() (del)
	39 44	Bulwer's Pet. Bulwer's Petrel	(NW		
	48 51	Leach's St. Pet LSP	1	SE		1701 1
17	01	LSP		NW		1700 hours 9 BFA + 1 LA follow (one possible hybrid-much white)
	112	LSP Artic Tern	i	N		possible hybrid - much white
(7	740	Leuch's P	1	NW		
18	830	enl ob	The sea	1		
		1				
			1-			

DATE 28 Apr65
Pg. # 1

ime	species	# dir	het.	remarks
2300 4	ezd's si Peti	1 -		Feeding around light by ship
2513	begin observ	Timo		still Jark
0555	Arctic tem	ZN		
0630		11 -		tirst me arriver in rainshowen
	leach's St. Pet	(-		
0711	Arctic Term	(n		going "like the shirt-tails of hell" as Bob Hones would say
0723	Lead's St. Pet.		1	0800 still one BFA
	Leach to Pet.	2		
0842	Leach's P.	2		
	Arctic Tem	2		
0852	1-cach 6 P	1		
0937	Leach b P			
	Leach 10 P	(1000 2BFH
	each's St. Pet.			1100 3 BFA
1/31	leach's St. Pet loach's Petul	(
	Leach o P			
	Leach of			
	Theur/petral	1 hi	let mus	be Wedgetail catch fine mahmali at full throttle
	Lezch's St. Pet.			^ /
1545	Leach's St. Pet	. (
1600	Shear/Petrel	11 -		distant 1600 3 BFA
1603	Leach's St. Pet. Bonin Island Petre	A NO		The Aller The Control of the Control
	WTTB	1		- good look, I've banded twing-streamered own 2000 vH
		100		1630 4BFA
1855	0- 1 0-	4		
1000	end obser	vellen	0	1830 4BFA
		1		
b,				

DATE 29 Apr 65
Pg. 1

0545 begin phagorathing 0632 beach 10 P 1 N 0636 Sort Steam 0657 Cort Steam 0658 Sort Steam 10658 Sort Steam 10750 10750 Sort Steam 10750 Sort St		time	species	E #	dir.	het.	remarks	loc.
Termite says jaeger Bird Termite says jaeger but circling high when see All primaries seem p. + a.f. (white rump) him	SA W	000000000000000000000000000000000000000	begin observed beach of Poorty Shear Sooty Shear South of Petrel Leach's St. Pet. Leach's St. Pet. Leach's St. Pet. Leach's St. Pet. Leach's P.	201 111113112112412112111111122(3:113:1	TON ROUND GONNEY - NO		gorgeono - cane by very close of doubted back for second look. This done undersing edges of door back. This done undersing edges of door back and our stem or wire stopped for Hydro Sts. 1000 1 BFA pind - flowland 1145 1 BFA getting blown something frence Dist. 1330 1 BFA stopped for poper simplement of the scribed by world (with) 1530 Albaghous back with no he's healthing primaries— protrably 12,003 on each end Plapso more than wind calls for	

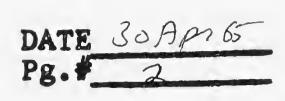
SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA DAILY LOG — E

DATE 29Apr65
Pg.# 2

loc. # dir. het. remarks time species 1758 soots sneer hight 1808 2BFA ukdaetail 1808 Frigate 1812 1815 Sooty Steer 1840 Leach S.P. 1855 Pom Jueger 1900 endobsen 1840 nice twisted central retries

5 W

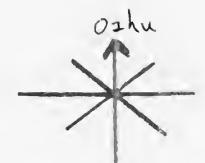
time	species) { dir	het	remarks		loc,
	wedgetail	-		seen by ber	ye.	
0545	begin obse	roution	10			
0624	Sooty Term	(NE	1			
0642	Sooty Term Sooty Term	(NE WE	1			
0649	Sooty Tern Wedgetzil	I NE				
0652	Sooty Term Common Noddy	3 } NA				
0657	Common Nedly	1 B SE				
0710	Sooty Tern					
	Common Nody	2 NE				
0720	Soots Tem	2 8				
0725	Sootyiem	4				
0725	RFB BFA	11				
0728	Noldy Tem	1, fo	lan			
0729	RFB Nordy Ten	1				
0748		(
0750	Noddy Tem Noddy Tem	2				
0803	Leach is P					
0807	Frigate					
0808	Wedgetail	2 9		1 -1		
0809	bulwers P Scoty Tem	1		light		
0811	Noddy Ten	1				
0812	100 g lem	3+		beeding		
	Frigato					
00.20	shear/petiel	3+		0.0		
0822				travelling		
0825	RFB Wedgetan	3+		light		
2826	RFO	1		The second second		
0830	Nodel Term	2		light	1+	
0832		1			40 sight	
0833	Noday Terus	3			70 (ird)	
0834	- Sorts Ten	2			(Ψ	





time	species	#	dir.	het.	remarks	loc,
0835	RFB					
0835	Wedgetul	32				
	Nod dy Ten	1				
	Wedgetuil	1				
	shew/patel	1				
0841	RFB	2				
0843	Wedgetan	4			I northern dark please flying high-fairly fast weighents - small	
0844	tem?	1			flying high-fairly fast weighents - small	
0845	Wadgetail	1/2				
0848	Wedgetan	1				
0850	Wedgetail	2				
0851	Wedgetan	2				
0825	Wedgelai'	10				
0853	Soots Tem	70			feeding	
	Noddy Ten	,				
24.07	Wedgetar	(
0854	RFB Sooty Tem	/				
0859	Soots Ten	12	-			
06.00	Wadgetail	3				
- 0902	eageran	1				
0903		3				
0904	Wedgetis	12				
0905	Wedgeton	4				
0905	Wedgetail	2				
6910	Nodey Ten RFB	/				
6914	Friguto	1				
	RFB	4		1	beedung	
0915	Wedge tail	3	5			
0915	Wedgetail	3/				
0916	Wodhetail	1				
0918		2			i ht	
0919	wedgetand	2			35 sight	
0920	Wedgetur	4				
0930	Wedgetail	3 2			Let birds	
0.931	Bulvers	1			165	
	V			1		

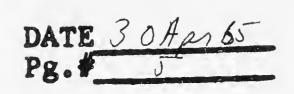
DATE 30 Apr 65
Pg. # 3



time	species	#	dir.	het.	remarks	loc.
_ 0932	Wedgetail	3				
0943	Soute Ten	1				
0947	Wedgeton	2				
0947	RFB	1				
0954	Frigate					
0955	Soots Jen	7				
0958						
0959	Wedgetail	3				
0957	Soote Ten	1,				
1007	Sooty Tem		5			
1010	Common Hoddy	1	>			
1011	Com. Noddy Wedgetzil	1				
1012		2	1			
1012	Com. Woody	2				
1014	real rigate					
1016	Low. Noddy	11				
1025	Sooty Tem	(
1033	com. Noddy					
1035	Com. Noddy	2			14 11	
1036	Wedget sil	1				
1036	Sooty (3) Shear	1 (tomite?	
1038	Bulwer's that	11				
1039	5 5	1	10	1	I saw this one well	
1074	Com. Noddy	17	N			
1041	55	2	NL		A "I "	
1043	55	2	NE			
1044	com. Woddy	1	NS			
1045	55 NOODY	2	1	5		
1046	55	(N tes			
1046	com. Noddy st. Petrel	1	E			
1048		,	on water			
1049	Com. Noddy	- 7				
1050	Sooty Term	3	E			
1050	5 5	1	N -			
1054	Sooty Tem					
1055	Sorty Tehn	2				
1056	Wedgetzil	1			, AT	
1050	com. Noddy	17			Ad. rosely a floor	47 sight
1058	Red foot ed book Sootx Shear h	y L	N	20	TA.	
1100			12			
	Com, Noddy		} w			80 bird

DATE 30 April 1965
Pg. # 4

time	species	#	dir.	het.	remarks		loc,
1101	wedgetzil						
1003	Sooty Shearw.	2_	NU				
1103	Com. Noddy	1	E				
1105	Com. Noddy	30±	5		big milling bunch		
1106	11-1001 Booky						
1108	welfetzi!	2					
1109	com. Woddy Sooty Term	2	NW				
1111	Sooty Ten	1					
1113	Sooty Ten Com. Noddy	(
1114	Scoty Tenn Red-Footed Booky S S Red-Footed Book	(
1115	Red-Footed Booby	(. —		ad		
1115	55	1	N				
111 6	Key-Tooled Book		_		20.		
1116	Com Woddy	2		Lett a	2d.		
1117	Red-foot Com. Noddy	14			not together		
1119	Com. Hoody	4			1 1geiner	14/6	
	Com. Woddy	2					
1120	Norldy	3					
1121	55	3	-				
1123	1, 0000	8	1		notaflock		
1/124	\$5	4	0			N 2 P	
1125	55	1	-				
1/25	, , ,	1			20-11+		
1125	55,	3	Larr.		sub adult		
1/26	. 1	3	8				
1/26	()	1					
1/28		14					
/13/	SortsTorm	1					
1137	RFB	1					
1133	Noday	3					
1.134	RFB	1/					
1/2	Noddy						
1137		1					
1/145							
1150		56					
	Soot Tem Walgetail	1			travelling		
,15		1					
1/12	1 Souls Ten						
	Wedgetail	1					
11-	Noddy	1					
1155	Soots Ten	2					
120		1					43
1207	South Tam	4					
1212		1			1/217/1568th Jestia		173
1213	Soots Tem	14,			// ()		, ,





time	species	# di	r. het.	remarks		oc,
1217	Soots Tem Frigate Soots Tem Noddy end obse	2				
1218	Frigate	1				
1220	Nord de	7		travelling		
12.20	end of	1				
	o Coce	walla	7			
		32				
		Q.				
			c			
		,				
		8				
					5 -: /1	
					5 sight	

```
Position at sunrise = 10°02'N 148°05'W

Position at sunset = 11°50N 148°03'W
     Time at sunrise
     Time at sunset
                                                  = 52
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset =
    Miles traveled from sunset to 2400 hours = 57
                         TYPE OF FIX
         TIME OF FIX
                                        LONGITUDE
                                                      LATITUDE
    1.
     2.
     3.
    4.
    5.
    6.
DATE
                            Position at sunrise = 13°35' N 148°00' W
    Time at sunrise = 35
                                                 = 15°50'N 147°57'W
    Time at sunset
                            Position at sunset
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 135
    Miles traveled from sunset to 2400 hours
         TIME OF FIX
                        TYPE OF FIX
                                        LONGITUDE
                                                      LATITUDE
    1.
    2.
    3.
    4.
    5.
```

```
Position at sunrise = 17^{\circ}34' \times 147^{\circ}58' \times Position at sunset = 17^{\circ}55' \times 147^{\circ}57' \times
Time at sunset 1814
Miles traveled from 0000 hours to sunrise = 5 4
Miles traveled from sunrise to sunset = /4/
Miles traveled from sunset to 2400 hours = 5 1
                                     LONGITUDE
                                                    LATITUDE
     TIME OF FIX
                     TYPE OF FIX
1.
2.
3.
5.
6.
                         Position at sunrise = 2.154147566
Time at sunrise 0524
                         Position at sunset = 24^{\circ}09/411754 W
Time at sunset
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset = |35
Miles traveled from sunset to 2400 hours
     TIME OF FIX
                     TYPE OF FIX
                                     LONGITUDE
                                                    LATITUDE
1.
2.
3.
4.
5.
6.
```

```
DATE 27 Apr 65
                            Position at sunrise = 26^{\circ}03'N148^{\circ}03'W
                           Position at sunset = 25^{\circ}29'N /50° 03 W
     Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset
    Miles traveled from sunset to 2400 hours
         TIME OF FIX
                        TYPE OF FIX
                                      LONGITUDE
                                                    LATITUDE
    1.
     3.
    5.
    6.
                           Position at sunrise = 25°04'N 151°31'W
                           Position at sunset = 24^{\circ}59'N 154^{\circ}10'W
    Time at sunset
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 143
    Miles traveled from sunset to 2400 hours
         TIME OF FIX
                        TYPE OF FIX
                                      LONGITUDE
                                                   LATITUDE
    1.
    2.
    3.
    4.
    5.
```

```
DATE 29 Apr 65
                             Position at sunrise = 25^{\circ}01'N 156^{\circ}22'W
                             Position at sunset = 23^{\circ} 29'N 156^{\circ} 59'W
     Time at sunset 1855
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 125
    Miles traveled from sunset to 2400 hours
         TIME OF FIX
                         TYPE OF FIX
                                         LONGITUDE
                                                       LATITUDE
    1.
    2.
    3.
    5.
                             Position at sunrise = 21° 57° N / 57° 02′ W
    Time at sunrise
    Time at sunset 1220
                             Position at sunset = 21^{\circ} 15^{\prime} N 157^{\circ} 50^{\prime} M
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset
    Miles traveled from sunset to 2400 hours
         TIME OF FIX
                         TYPE OF FIX
                                         LONGITUDE
                                                       LATITUDE
    1.
    2.
    3.
    4.
```

```
Position at sunrise = 21^{\circ}54^{\prime} 159^{\circ}36^{\prime}
Time at sunset = 1850 Position at sunset = 20^{\circ}55' N 157^{\circ}52' W
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset =
Miles traveled from sunset to 2400 hours = 47
                   TYPE OF FIX LONGITUDE
     TIME OF FIX
                                                        LATITUDE
1,
2.
3.
5.
6.
Time at sunrise ^{\circ}6/3 Position at sunrise = 19^{\circ}/9'N 157^{\circ} 00 W

Time at sunset ^{\circ}8=43 Position at sunset = 17^{\circ}27'N ^{\circ}157^{\circ}00'N
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset = 1/2
Miles traveled from sunset to 2400 hours
     TIME OF FIX
                       TYPE OF FIX
                                        LONGITUDE
                                                        LATITUDE
l.
2.
3.
4.
```

```
DATE 13 Apr 65
                             Position at sunrise = 15^{\circ}38/N 157^{\circ}00/\omega
                             Position at sunset = 13^{\circ}34/1/156^{\circ}58/\omega
     Time at sunset 184/
                                                   = 58
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 124
                                                 = 37
    Miles traveled from sunset to 2400 hours
                                         LONGITUDE
          TIME OF FIX
                         TYPE OF FIX
                                                       LATITUDE
     1.
     2.
     3.
    4.
    5.
     6.
                             Position at sunrise = 11^{\circ}43^{\circ}N 156^{\circ}53^{\circ}W
    Time at sunrise 06/7
                             Position at sunset = 10^{\circ}53'N 155^{\circ}43'W
    Time at sunset \frac{1833}{12}
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 87
    Miles traveled from sunset to 2400 hours = 54
         TIME OF FIX
                         TYPE OF FIX
                                         LONGITUDE
                                                       LATITUDE
    1.
    2.
    3.
    4.
    5.
```

```
DATE 15 Apr 65

Time at sunrise = 6
                           Position at sunrise = 10°00 N 154°05 W
    Time at sunset 1828
                           Position at sunset = 12^{\circ}04^{\circ}N 154^{\circ}02^{\prime}\omega
    Miles traveled from 0000 hours to sunrise = 56
    Miles traveled from sunrise to sunset = 124
    Miles traveled from sunset to 2400 hours = 60
         TIME OF FIX
                       TYPE OF FIX
                                      LONGITUDE
                                                   LATITUDE
    1.
    2.
    3.
    4.
    5.
    6.
DATE 16 Apr 65
    Time at sunrise ^{0602} Position at sunrise = 1401/N/5358/W
    Time at sunset = Position at sunset = \frac{1832}{606/1006}
    Miles traveled from 0000 hours to sunrise
    Miles traveled from sunrise to sunset = 125
    Miles traveled from sunset to 2400 hours = 6 /
         TIME OF FIX
                       TYPE OF FIX
                                      LONGITUDE
                                                   LATITUDE
    1.
    2.
    3.
    4.
    5.
    6.
```

```
Position at sunrise = 18^{\circ}/0^{\circ}N 153^{\circ}57^{\prime}\omega
                          Position at sunset = 20^{\circ}17'N 153^{\circ}56'W
Miles traveled from 0000 hours to sunrise
                                                 = 63
                                                 127
Miles traveled from sunrise to sunset
                                               = 51
Miles traveled from sunset to 2400 hours
     TIME OF FIX
                      TYPE OF FIX
                                      LONGITUDE
                                                     LATITUDE
1.
2.
3.
5.
6.
                         Position at sunrise = 22°06'N 154°00'W)
Position at sunset = 23°32'N 152°57'W
Time at sunrise 555
Time at sunset
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset
Miles traveled from sunset to 2400 hours
     TIME OF FIX
                     TYPE OF FIX LONGITUDE
                                                     LATITUDE
1.
2.
3.
4.
```

```
Position at sunrise = 23 2 1/5/03/wi
Position at sunset = 21 05/10 150 57/wi
Time at sunrise
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset =
Miles traveled from sunset to 2400 hours
                      TYPE OF FIX
     TIME OF FIX
                                        LONGITUDE
                                                       LATITUDE
1.
2.
3.
5.
6.
                           Position at sunrise = 19^{\circ}09/M 150^{\circ}59/W
Position at sunset = 17^{\circ}25/M 150^{\circ}59/W
Time at sunrise
Time at sunset 1821
Miles traveled from 0000 hours to sunrise
Miles traveled from sunrise to sunset = /04/
Miles traveled from sunset to 2400 hours = 6/
     TIME OF FIX
                      TYPE OF FIX
                                        LONGITUDE
                                                       LATITUDE
1.
2.
3.
4.
5.
```

```
DATE 21 Apr 65
                                 Position at sunrise = 15^{\circ}27'N 151^{\circ}02'W
Position at sunset = 13^{\circ}22'N 151^{\circ}00'W
     Time at sunset 1818
                                                          = 57
     Miles traveled from 0000 hours to sunrise
     Miles traveled from sunrise to sunset = 125
     Miles traveled from sunset to 2400 hours = 4/
           TIME OF FIX
                             TYPE OF FIX
                                               LONGITUDE
                                                               LATITUDE
     1.
     2.
     3,
     5.
     6.
                                 Position at sunrise = 11^{\circ}37/N 150^{\circ}59/\omega

Position at sunset = 10^{\circ}50/N 149^{\circ}42/\omega
     Time at sunrise 549
     Time at sunset
     Miles traveled from 0000 hours to sunrise
     Miles traveled from sunrise to sunset
     Miles traveled from sunset to 2400 hours
           TIME OF FIX
                             TYPE OF FIX
                                               LONGITUDE
                                                               LATITUDE
     1.
     2.
     3.
     4.
```

SI-MNH-955a\ Rev. 4-9-64

DATE: // Apr 65 Total	al Minutes: 59	0 1	otal Miles //4
1. Total Abundance of birds:		•	
No. Sightings No. Birds Bir	ds/Sighting Bird	ls/Mile	
166 603	3.63 5	,29	
II. Abundance of the Shearwate	er-Petrel-Albatross	Group:	
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T WI P B T WI P B	T WT P B	T WT P	В
1341022049502	1.81 2.32 0 1.0	1,79 330	,02
III. Abundance of Tropicbirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T RT WT T RT WT	T RT WT	T RT WI	
305303	001.0		7
IV. Abundance of Terns:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
40 346	8,65	5,03	
V. Abundance of Shorebirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
0 0		0	
VI. Abundance of Boobys:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T BF RF B T BF RF B	T BF RF B	T BF RF	В
11 0 11 0 15 0 15 0	.36 0 1.76 0	,13 0 ,13	<i>C</i>
VII. Abundance of Frigatebirds	6- 6-		;
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
	, , , , , ,	+0/	
VIII. Abundance of Flocks:			
Total No. Total No. Total Flocks Birds F/Mi.	No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
13 376 11	6	337	,05

SI-MNH-955a Rev. 4-9-64

DATE: 12	April To	tal Minutes: 75	0	otal Miles // 2
1. Total Abur	ndance of birds:			
No. Sightings	No. Birds B	irds/Sighting Bird	ls/Mile	
134	251	1.87 2,	24	
II. Abundance	e of the She arwa	ter-Petrel-Albatross	Group:	
No. Sightings		Birds/Sighting		
T WT P B	218-21-2-7	186/24/10/0	T WT P	B 2,06
	ee of Tropicbirds		11/2 //1	
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T RT WT	T RT WT	T RT WT	T RT WI	1
	0	0	0	
IV. Abundance	e of Terns:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
13	30	2,31	127	
V. Abundance	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0	0	Ó	0	
VI. Abundance	e of Boobys:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T BF RF E	B T BF RF I		T BF RF	В
1010	0 1 0 1 0	1.001.00	,010,01	0
VII. Abundanc	e of Frigatebiro	ls:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
2		1.0	,02	
VIII. Abundar	ace of Flocks:			
	Notal No. Total Birds F/Mi	0	No. Feeding Birds	No. Feeding F/MI.
	14,0	1 0	0	

SI-MNH-955a Rev. 4-9-64

DATE: 13 A	P255 To	tal Minutes: / 7	To-	tal Miles / 24
1. Total Abu	ndance of birds:			
No. Sightings	No. Birds B	irds/Sighting Bird	s/Mile	
76	8	1.16 17	7/	
II. Abundance	e of the She arwa	ter-Petrel-Albatross	Group:	
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	•
T WT P B	T WT P B	T WT P B	T WT P	B
67-6-0-11	78-6012	1.16 1.0 0 1.09	, 15,05 6 1	10
III. Abundand	ce of Tropicbirds	3:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T RT WT	T RT WT	T RT WT	T RT WT	
110	110	1.01.00	,01,010	
IV. Abundance	e of Terns:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0	0	0	0	
V. Abundance	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
Õ			6	
VI. Abundance	e of Boobys:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T BF RF I	BAT BF RF I	B T BF RF B	T BF RF	B
0		6		
VII. Abundand	ee of Frigatebird	ls:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
			6	
VIII. Abundar	nce of Flocks:			
_	Fotal No. Total Birds F/Mi		No. Feeding Birds	No. Feeding F/MI.
o ⁻¹	0			

SI-MNH-955a Rev. 4-9-64

DATE: 14/A	2065 I	otal Minutes: 7	36	Total Miles 87
1. Total Abu	ndance of birds	e.		
No. Sightings	No. Birds	Birds/Sighting Bi	rds/Mile	
103	230	2,23 2	. 64	
II. Abundanc	e of the She arw	ater-Petrel-Albatro	ss Group:	
No. Sightings	No. Birds	Birds/Sightin	g Birds/Mil	е
T WI P B	T WT P B	T WT P	B T WT	РВ
77 26 0-20	153-57-0-24	1 1.58 2.19 0 1	.2 1.16 .65	0.27
III. Abundan	ce of Tropicbir	d s:		
No. Sightings		Birds/Sightin	g Birds/Mil	e
T RT WT	T RT W	T T RT WT	T RT	WT
110	1 1 0	1.01.00	01 .01	0
IV. Abundance	e of Terns:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mil	е
8	75	9.37	.86	
V. Abundance	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	e
0	0		0	
VI. Abundance	e of Boobys:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	е
T BF RF 1	B T BF RF	B T BF RF	B T BF I	RF B
	0			
VII. Abundan	ce of Frigatebin	ds:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0	0			
VIII. Abunda:	nce of Flocks:			
Total No.		No. Feeding Flocks	g No. Feeding Birds	No. Feeding F/MI.
5	96 .0	6 4	91	.05

DATE: 15 Ap	er 65 Tota	al Minutes: 74	2 T	otal Miles 124
1. Total Abun	dance of birds:			
No. Sightings	No. Birds Bir	rds/Sighting Bird	s/Mile	
63	360	5.71 2.9	90	
II. Abundance	of the Shearwate	er-Petrel-Albatross	Group:	
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T WI P B	T WT P B	T WT P B	T WT P	B
48-13-01	95-42-0-1	325 0	.77.34 0	.0/
III. Abundance	e of Tropicbirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T RT WT	T RT WT	T RT WT	T RT WT	
202	202	1.0 0 1.0	,020	6
IV. Abundance	of Terns:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
14	252	18.00	2,03	
V. Abundance c	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0	0	Ó	6	
VI. Abundance	of Boobys:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
r bf rf b	T BF RF B	T BF RF B	T BF RF	B
1100	1100	1.01.000	,01.01	0
VII. Abundance	of Frigatebirds	•		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	,
0		(0	4
VIII. Abundanc	e of Flocks:		r	
Total No. To	tal No. Total rds F/Mi.	No. No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
12 2	91 .10	7	254	f.

110 / 6 7-9-04	Ŀ	AT SEA DAILY O	BSERVATION OF BIT			
DATE: 16 AA	2 5 5	Total Minutes:	75	0	Total Miles_	125
1. Total Abun	dance of birds					
No. Sightings	No. Birds	Birds/Sighting	g Birds	s/Mile		
106	398	3.75	3,	18		
II. Abundance	of the Shearw	ater-Petrel-Al	lbatross	Group:		
No. Sightings	No. Birds	Birds/S	ighting	Birds/Mil	le	
T WI P B	T WT P B	$oldsymbol{\mathrm{T}}$	P B	T WT	Р В	
731918	1305519	1.78 6.84	1 1,13	1,04.	01,07	
III. Abundance	e of Tropicbir	·ds:				
No. Sightings	No. Birds	Birds/Si	ighting	Birds/Mil	le	
T RT WT		T T RT	WT	T RT	WT	
210	2/	1.0 1.0	Ö	02,01	A.	
IV. Abundance	of Terns:					
No. Sightings	No. Birds	Birds/Sig	ghting	Birds/Mil	Le	
28	250	8,9	3	2.0		
V. Abundance o	of Shorebirds:					
No. Sightings	No. Birds	Birds/Sig	ghting	Birds/Mil	Le	
	0	0		0		
VI. Abundance	of Boobys:				- 	
	No. Birds	Birds/Sig	ghting	Birds/Mil	Le	
T BF RF B	T BF RF	B T BF	RF B	T BF	RF B	
0		0.		0		
VII. Abundance	e of Frigatebi	rds:				
No. Sightings	No. Birds	Birds/Sig	ghting	Birds/Mile		
2	2	1. C)	,02		
VIII. Abundano	ee of Flocks:					
Total No. To			eeding	No. Feedin		.ng
	-7 F/M	i. Flock	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Birds	F/MI.	
	111	0		470	1 () 6	

DAT	E: / 7 4	255	_ Total	Minutes:	13		_ Tota	al Miles / 2
1.	Total Abur	dance of b	irds:					
No.	Sightings	No. Bird	s Bird	s/Sighting	Birds	/Mile		
	83	690		8.31	5	.43		
II.	Abundance	of the Sh	earwater	-Petrel-Alb	atross	Group:		
	Sightings	No. Bird		Birds/Sig		Birds/Mi	ile	
T	WI P B	T WT P	В	T WT	P B	T WT	P]	<u>3</u>
14	141 14	16671	16	3.06 4.5 7	1 1,14	154,50	, 1	
III	. Abundanc	e of Tropi	cbirds:					
No.	Sightings	No. Bir	ds "	Birds/Sig	hting	Birds/Mi	ile	
Ţ	RT WT	T RT	WT	T RT	WT	T RT	WT	_
2		3	1		· 0	,02,0		
IV.	Abundance	of Terns:						
No.	Sightings	No. Bird	S	Birds/Sigh	ting	Birds/Mi	le	
	22	486		22.0	9	3.8	3	
V.	Abundance	of Shorebi:	rds:					
No .	Sightings	No. Birds	5	Birds/Sigh	ting	Birds/Mi	le	
	j	1		1.0		, 0/		
VI.	Abundance	of Boobys	g. 61					
No.	Sightings BF RF B	No. Birds	-	Birds/Sigh		Birds/Mi		_
	DE IN D	T DL	RF B	T BF R	F B	T BF	RF I	3
ATT	. Abundanc	e of Frigat	tebirds:					
No.	Sightings	No. Birds	5	Birds/Sigh	ting	Birds/Mil	.e	•
~ .	3	4		1.33		,03		
VII	I. Abundan	ce of Floch	Ks:					
Tota		otal No.	Total No F/Mi.	No. Fe Flocks	_	No. Feedi Birds	ng	No. Feeding F/MI.
_/	0	591	08	7		548		. 06

DAT	E: 18	Tot	tal Minutes: 75	9 1	otal Miles 140
1.	Total Abun	dance of birds:			
No.	Sightings	No. Birds Bi	irds/Sighting Bird	s/Mile	
	49	159	3.24	14.	
II.	Abundance	of the Shearwat	ter-Petrel-Albatross	Group:	
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T	WI P B	T WT P B	T WT P B	T WT P	B
	652	60952	1.58 1.5 1 1	,43,06,04	1,01
III	. Abundanc	e of Tropicbirds	3:		
No.	Sightings RT WT	No. Birds T RT WT	Birds/Sighting T RT WT	Birds/Mile T RT WT	
0	TV sales				
IV.		of Terns:			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	10	94	7,4	,67	
∇ .	Abundance of	of Shorebirds:			
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
entra anno prompo	/		1,0	•	
VI.	Abundance	of Boobys:			
-	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T	BF RF B	T BF RF B	T BF RF B	T BF RF	В
2		2		0	
VII	. Abundance	e of Frigatebird	.S t		
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	0	0		0	
VII	I. Abundan	ce of Flocks:			
Tota		otal No. Total irds F/Mi.	9	No. Feeding Birds	No. Feeding F/MI.
2		02		27	. 0 1

DATE: //	To	otal Minutes: 76	<u>6</u> 1	btal Miles 13
1. Total Abur	dance of birds:			
No. Sightings	No. Birds E	Birds/Sighting Bird	ls/Mile	
58	57	1.5	.34	
II. Abundance	of the Shearwa	ter-Petrel-Albatross	Group:	
No. Sightings T WT P B	No. Birds	Birds/Sighting	Birds/Mile	
T WI P B	T WT P B	T WT P B	T WT P	<u>B</u>
III. Abundanc	e of Tropicbird	S:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T RT WT	T RT WT	T RT WT	T RT WT	
110			01.01 0	>
IV. Abundance	of Terns:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
3	12	4,0	,09	
V. Abundance	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	0)		
VI. Abundance	of Boobys:			
No. Sightings I BF RF B	No. Birds T BF RF	Birds/Sighting	Birds/Mile	
T DI. WE D	T BF RF	B T BF RF B	T BF RF	B
			0	
VII. Abundance	e of Frigatebiro	ds:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
3	5	1.67	. O H	
VIII. Abundano	ce of Flocks:			
	otal No. Total irds F/Mi	No. No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
	11	1	11	

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

		DIAT	DT OTA	OT	DTUDO	
AT	SEA	DAILY	OBSI	ERVA	TIONS	SUMMARY

DAT	正:	AD165	Total	l Minutes:		8	To	tal Miles	~)
1.	Total Ab	undance of	birds:						
No.	Sighting	s No. Bir	ds Bird	ds/Sighting	Birds	s/Mile			
	37	7:)	2.03	1	72			
II.	Abundan	ce of the S	hearwater	r-Petrel-All	atross	Group:			
No.	Sightings WT P			Birds/Sig			Mile		
29	225	364	P B 2 6	T WT	P B		T P	<u>B</u>	
III	. Abund a ı	nce of Trop	icbirds:						
No.T	Sightings RT WT	No. Bi		Birds/Sig	ghting WT		/Mile	ma gamma.	
2	00	2 (20	10	C)		0 0		
IV.	Abundand	ee of Terns	6.	6					
No.	Sightings	No. Bir	ds	Birds/Sigh	iting	Birds	/Mile		
	5		1	6,8		13	3		
V.	Abundance	e of Shoreb	irds:						
No.	Sightings	No. Bir	ds	Birds/Sigh	ting	Birds	/Mile		
	0	0							
VI.	Abundand	ee of Booby	S:						
No.	Sightings BF RF	No. Bir	ds RF B	Birds/Sigh		Birds			
Ō	Dr III	0	TAT. D	T BF R	F B	Т В	F RF	<u>B</u>	
VII	. Abundar	ice of Frig	atebirds:					_	
No.	Sightings	No. Bir	ds	Birds/Sigh	ting	Birds/	Mile		
		/		1,0		, (
VIII	I. Abunda	nce of Flo	cks:						
Tota	_	Total No. Birds	Total N F/Mi.	o. No. Fe Flocks	_	No. Fe Birds	eding	No. Feeding F/MI.	
9	2	36	,02	1		31		0 1	

DAT	E:	<i>7</i> 5 5 1	otal Minutes:	752	Total Miles /25
1.	Total Abund	dance of birds	*		
No.	Sightings	No. Birds	Birds/Sighting	Birds/Mile	
	40	67	1.68	54	
II.	Abundance	of the Shearw	ater-Petrel-Alba	tross Group:	
No.	Sightings	No. Birds	Birds/Sigh	ting Birds/Mil	e
T	WT P B	T WT P B	T WT P	B T WT	P B
27	6//	(7/)	7.1.67	1 1,30,08.	01.01
III	. Abundance	e of Tropicbir	ds:		
No.	Sightings	No. Birds	Birds/Sigh	ting Birds/Mil	e
Ţ	RT WT	T RT W	T T RT W	T T RT	WT
0				0	
IV.	Abundance	of Terns:			
No.	Sightings	No. Birds	Birds/Sight	ing Birds/Mil	<u>e</u>
**********	13	29	21	, 23	
V.	Abundance c	of Shorebirds:			
No.	Sightings	No. Birds	Birds/Sight:	ing Birds/Mil	e
				0	
VI.	Abundance	of Boobys:			
No.	Sightings BF RF B	No. Birds T BF RF	Birds/Sight: B T BF RF		the state of the s
	Dr AF D	T DE IVE	B T BF RF	B T BF	RF B
VII	. Abundance	of Frigatebi	rds:		
No.	Sightings	No. Birds	Birds/Sight:	ing Birds/Mile	
-	0	0			
VIII	I. Abundanc	e of Flocks:			
	al No. To		al No. No. Feed	ling No. Feeding Birds	g No. Feeding F/MI.
/	/	7 .0		17	, 01

DATE: 22 A A	Tot	al Minutes: 74	<u>2</u>	otal Miles 93
1. Total Abund	dance of birds:			
No. Sightings	No. Birds Bi	rds/Sighting Birds	s/Mile	
29	78	2,69 ,8	34.	
II. Abundance	of the Shearwat	er-Petrel-Albatross	Group:	
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
T WI P B	T WT P B	T WT P B	T WT P	В
21233	29334	1.381.311.33	3,31,03,03	,04
III. Abundance	e of Tropicbirds	•		
No. Sightings T RT WT	No. Birds	Birds/Sighting	Birds/Mile	
T RT WT	T RT WT	T RT WT	T RT WT	
			,010	<u></u>
IV. Abundance	of Terns:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
5	43	8.6	.46	
V. Abundance c	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
0			P -	
VI. Abundance	of Boobys:			
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
I BF RF B*	T BF, RF B	T BF RF B	T BF RF	В
2200	2200	1.01.000	10200	0
VII. Abundance	of Frigatebird	5 \$		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
VIII. Abundanc	e of Flocks:			
Total No. To	tal No. Total rds F/Mi.	No. No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
3 4	19 ,03	1	29	, 5 /

DATE: & S / Diss	Total Minutes: 74	Total Mile	s/08
1. Total Abundance of bir	ds:		
No. Sightings No. Birds	Birds/Sighting Birds	/Mile	
52 206	3.96 1.9		
II. Abundance of the Shea	rwater-Petrel-Albatross	Group:	
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T WT P B T WT P	B T WT P B	T WT P B	
120.11011	1,40 1.00 1.21 (.00	132,03,110,01	
III. Abundance of Tropick	oirds:		
No. Sightings No. Birds T RT WT T RT	Birds/Sighting WT T RT WT	Birds/Mile T RT WT	
	,		
		01,010	
IV. Abundance of Terns:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
10 145	14,5	1.34	
V. Abundance of Shorebird	S:		
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
VI. Abundance of Boobys:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
T BF RF B T BF R	F B T BF RF B	T BF RF B	
		101,0100	
VII. Abundance of Frigate	birds:		
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
0	Ó		
VIII. Abundance of Flocks	•		
	otal No. No. Feeding /Mi. Flocks	No. Feeding No. Fee Birds F/MI.	eding
4 145	.044	145,04	

SMITHSONIAN INSTITUTION DIVISION OF BIRDS

AT SEA DAILY OBSERVATIONS SUMMARY

DAT	E: 2410	,	Total	Minutes:	756	1	Tota	l Miles / 3.5
1.	Total Abun	dance of b	irds:					
No.	Sightings	No. Birds	Birds	s/Sighting	g Birds	/Mile		
	27	68		2,52		50		
II.	Abundance	of the She	earwater	-Petrel-Al	batross	Group:		
	Sightings	No. Birds		Birds/Si		Birds/Mi		
$\frac{T}{21}$	WT P B	T WT P	В	T WT	P B	T WT	P B	
TTT	() ()	K K I J		03.1	1 0	16,00	,07	
III		e of Tropio		D: 1 /a:		D. 7 /M.	7	
No.	Sightings RT WT	No. Biro	MT WT	Birds/Si T RT	WT	Birds/Mi T RT	VT WT	
	10		0		£.	,01,01	0	
IV.	Abundance	of Terns:						
No.	Sightings	No. Birds	5	Birds/Sig	ghting	Birds/Mi	le	
	5	112		8.4	1	.31		
V.	Abundance	of Shorebi	ds:					
No.	Sightings	No. Birds	5	Birds/Sig	ghting	Birds/Mi	le	
	0	0		•)			
VI.	Abundance	of Boobys						
-	Sightings	No. Birds	The second second second second	Birds/Sig		Birds/Mi		
T	BF RF B	T BF	RF B	T BF	RF B	T BF	RF B	
VII	. Abundanc	e of Frigat	cebirds:					
No.	Sightings	No. Birds	5	Birds/Sig	shting	Birds/Mil	e	
))			
VIII		ce of Flock	rs: Total No	O. No F	reeding	No. Feedi	nø	No. Feeding
Floc	cks B	irds	F/Mi.	Flock	0	Birds	_	F/MI.
3		9	,02		2	31		101

1. Total Abundance of birds: No. Sightings No. Birds Birds/Sighting Birds/Mile 19	DATE: 25	April Tot	al Minutes: 7	65 n	otal Miles /4//
II. Abundance of the Shearwater-Petrel-Albatross Group: No. Sightings No. Birds Birds/Sighting Birds/Mile T WT P B T WT P B T WT P B T WT P B III. Abundance of Tropicbirds: No. Sightings No. Birds Birds/Sighting Birds/Mile T RT WT T RT WT T RT WT T RT WT IV. Abundance of Terns: No. Sightings No. Birds Birds/Sighting Birds/Mile I RT WT T RT WT T RT WT IV. Abundance of Shorebirds: No. Sightings No. Birds Birds/Sighting Birds/Mile V. Abundance of Shorebirds: No. Sightings No. Birds Birds/Sighting Birds/Mile VI. Abundance of Boobys: No. Sightings No. Birds Birds/Sighting Birds/Mile VII. Abundance of Frigatebirds:	1. Total Abu	ndance of birds:			
No. Sightings No. Birds Birds/Sighting Birds/Mile T WT P B T WT P B T WT P B III. Abundance of Tropicbirds: No. Sightings No. Birds Birds/Sighting Birds/Mile T RT WT T RT WT T RT WT IV. Abundance of Terns: No. Sightings No. Birds Birds/Sighting Birds/Mile I. O / O / O / O / O / O / O / O / O / O	No. Sightings	No. Birds Bi	rds/Sighting Bird	ds/Mile /6	No.
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		0			
VIII. Abundance of Flocks: Total No. Total No. No. Feeding No. Feeding No. Feeding	Total No. T	otal No. Total	0	No. Feeding	No. Feeding
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DATE: 6	1000	_ Total M	linutes:	7	74	To	otal Miles 135
1. Total Ab	oundance of b	irds:					
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III. Abunda	nce of Tropic	cbirds:					
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IV. Abundan	ce of Terns:						
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	0				0		
VIII. Abunda	ance of Flock	S:					
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	73		1 100110		DIIG		T/PIL.

DATE: 27 F1 Tot	al Minutes: 789	6	Notal Miles 153
1. Total Abundance of birds:			
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II. Abundance of the Shearwat	er-Petrel-Albatross	Group:	
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
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III. Abundance of Tropicbirds	* •		
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IV. Abundance of Terns:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
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V. Abundance of Shorebirds:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
O O		8	
VI. Abundance of Boobys:			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
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		Ĝ	
VII. Abundance of Frigatebirds			
No. Sightings No. Birds	Birds/Sighting	Birds/Mile	
		0	
VIII. Abundance of Flocks:			
Total No. Total No. Total Flocks Birds F/Mi.	No. Feeding Flocks	No. Feeding Birds	No. Feeding F/MI.
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DAT	E:	9 0 3	Total	Minutes:	14	5	To	otal Mi	les 143
1.	Total Abund	lance of bir	ds:						
No.	Sightings	No. Birds	Bird	s/Sightin	g Birds	s/Mile			
	23	30		1,30	8	21			
II.	Abundance	of the Shea	rwater	-Petrel-A	lbatross	Group:			
	Sightings	No. Birds			ighting		s/Mile		
T / O	WI P B	T WT P	B	1.26 C	P B /. O	T ;	WT P	B	
III	. Abundance	e of Tropich	irds:						
9	Sightings	No. Birds	-		ighting		s/Mile		
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IV.	Abundance	of Terns:							
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V .	Abundance o	of Shorebird	S:						
No.	Sightings	No. Birds	•	Birds/Si	ghting	Birds	s/Mile		
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VI.	Abundance	of Boobys:					•		
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VII	. Abundance	e of Frigate	birds:					•	
No.	Sightings	No. Birds		Birds/Si	ghting	Birds	Mile		
					0				
VII	I. Abundano	ee of Flocks	•						
		otal No. I	otal No /Mi.	o. No. Floc	Feeding ks	No. Fe	eeding	No. F/MI	Feeding
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DATE: 2	9 Apr	To:	tal Minutes:	784	Total Miles 12
1. Total	Abundanc	e of birds:			
No. Sighti	ngs No	. Birds B	irds/Sighting	Birds/Mile	
48	>	70	1.46	.56	
II. Abund	ance of	the Shearwa	ter-Petrel-Alba	tross Group:	
No. Sighti	ngs No	. Birds	Birds/Sigh	ting Birds/M	ile
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IV. Abunda	ance of :	ferns:			
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V. Abunda	nce of Sh	norebirds:			
No. Sighti	ngs N o	Birds	Birds/Sight:	ing Birds/Mi	ile
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VI. Abunda	ance of I	Boobys:			
No. Sighti	ngs No.	Birds	Birds/Sight:	ng Birds/Mi	ile
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VIII. Abur	ndance of	Flocks:			
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DATE: SOA	ps 65 !	Total Minutes:		Total Miles 67
1. Total Abund	dance of birds	5:		
No. Sightings	No. Birds	Birds/Sighting	Birds/Mile	
70	77	2.94	7.45	
II. Abundance	of the Shearv	ater-Petrel-Alb	atross Group:	
No. Sightings	No. Birds	Birds/Sig		
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III. Abundance	e of Tropicbin	rds:		
No. Sightings	No. Birds	Birds/Sig		
T RT WT	T RT V	VT T RT	WT T RT	WT
	0	.0	(2)	
IV. Abundance	of Terns:			
No. Sightings	No. Birds	Birds/Sigh	ting Birds/Mi	<u>le</u>
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V. Abundance	of Shorebirds:			
No. Sightings	No. Birds	Birds/Sigh	ting Birds/Mi	<u>le</u>
	0			
VI. Abundance	of Boobys:			
No. Sightings	No. Birds	Birds/Sigh	ting Birds/Mi	le
T BF RF B	T BF RF	B T BF R	F B T BF	RF B
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VII. Abundance	e of Frigatebi	rds:		
No. Sightings	No. Birds	Birds/Sigh	ting Birds/Mil	e
	9	/./3	.13	
VIII. Abundan	ce of Flocks:			
Total No. To		al No. No. Fe Ii. Flocks	0	ng No. Feeding F/MI.
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PS-Thompson
Ely holing
Winty Louis
American King

B. C. F. Townsend Cromwell April 1965 Cruise

The April 1965 Townsend Cromwell cruise, from 11 April to 1 May, was the 14th of a series of 16 cruises conducted by the U. S. Fish and Wildlife Service's Bureau of Commercial Fisheries covering a fixed grid to the south, north, and east of the high Hawaiian Islands for the purpose of determining variations in the water types and currents of this area.

This was the 13th cruise in which Pacific Project personnel have taken part, maintaining daily sunrise to sunset bird observations.

Onservations on this cruise totalled 244.0 hours. In addition Project personnel aided in recording weather observations and in recording bathythermographs. Project personnel were Vincent Hoeman and Warren King.

Warren B. King Research Assistant Pacific Project

General Discussion

The substantial increase in numbers of flocks between this month's total (78) and the total for April 1964 (27) is somewhat balanced by the difference in mean flock size. (29 birds per flock this month and 69 in April 1964).

Direct migrants accounted for 13.5 o/o of the month's total (4068), and wintering birds accounted for an additional 10 o/o. The remainder is accounted for by birds breeding in the Central Pacific (71.5 o/o) and by unidentified birds (5 o/o). The large buildup in numbers of direct migrants, predominantly Sooty Shearwaters, of the first week of April 1964 was felt to have come during the in-port period between the March and April cruises this year, so that direct migrants did not attain anything near the 49 o/o level they did on the March 1964 cruise. March and April 1965's total numbers compare quite favorably.

Overall distribution of the predominant species (Sooty Tern, Wedgetailed Shearwater) varied slightly between this month and April 1964. Greater concentrations were found along the 154° W leg down to 10°N and relatively fewer birds were seen around Oahu and in the southeastern corner, although these two areas were still fairly active.

Of special interest was the sighting of two mixed flocks of Leach's Petrels and Bulwer's Petrels. New high totals were recorded for Leach's Petrel (297) and for Pomarine Jaeger (60), the latter enjoying the most widespread distribution noted for the species as well. Blue-gray Noddies were sighted for the first time. Significant sightings included a possible New Zealand Shearwater, a possible Herald's Petrel, a gull, two long-tailed

Jaegers, 27 Arctic Terns, a Bonin Island Petrel, 2 Pale-footed Shearwaters, and 3 Dark-rumped Petrels. Mottled Petrels were observed in springtime for the first time on these cruises.

The data should be comparable for those of previous cruises.

Species Account

Black-footed Albatross

The range and numbers of this species were very similar this month to those of April 1964. Birds were seen only in the northern quarter of the area although one bird was attracted south to 17° N on the 151° W leg. Numbers decreased from March's total of 76 to 26 this month. One bird was banded on 12 April.

Laysan Albatross

Three birds were seen this month, all in the northern quarter of the area. One followed the ship for five hours. Three were seen in April 1964 in the same general area.

Wedgetailed Shearwater

The 519 Wedge-tails seen in April were concentrated in the western half of the area, over half of which were within 50 miles from the high Hawaiian Islands. A small secondary concentration in the southwestern corner was chiefly of southern dark phase birds. This secondary concentration of dark phase birds was found in the southeastern corner in April 1964. Numbers increased 16 o/o from March, a rise of questionable significance. All of the northern birds had distinctly fresh breeding plumage.

New Zealand Shearwater

One bird possibly of this species was observed closely on 13 April. The presence of this species in the area is still suspected but has not been confirmed.

Sooty Shearwater

This species continued its spring migration this month, with 507 birds recorded compared with 382 in March. The first week of April, when the peak of the spring 1964 migration took place in this area, was not included in this month's period of observation. It may well have been the migration peak this spring as well as last. Several birds were seen taking part in feeding flocks, but most were flying swiftly and directionally to the northwest.

Newell's Shearwater

Most of the 26 birds seen in April were spread over the southeast and central portions of the area. No concentration was noted. Only 12 were seen in April 1964.

Christmas Island Shearwater

Four individuals were seen, two between Kauai and Oahu on 11 April.

Pale-footed Shearwater

Two birds were recorded in April, both heading north. This species was unrecorded last spring but its presence in the area was suspected.

Mottled Petrel

Ten individuals were observed in April, all heading north in a manner similar to Sooty Shearwater. This species presence in the central Pacific was not suspected last year.

Kermadec Petrel

One bird, a dark phase, was seen on 20 April. This is the first spring (March-June) sighting of this species in the area.

Dark-rumped Petrel

Three were seen in April, all under good light conditions. Two were in the southeast corner and the third was 200 miles north of the high Hawaiian Islands.

Juan Fernandez Petrel

All of the 21 birds seen this month were in the southeastern corner. Most had splotchy plumage, indicating the beginning of molt in this species. Numbers seen were consistent with the low totals noted for Jan-April in both 1964 and 1965.

Herald's Petrel

One bird observed at close range but in poor light on 19 April may have been this species.

Cook's Petrel

One was seen on 24 April toward the southeastern corner of the area.

A substantial increase over the January-April low is expected in May.

Bonin Island Petrel

One bird was seen in good light on 28 April, 250 miles north of the high Hawaiian Islands. This species occurs only rarely in the BCF area. The possibility of confusion with the similar Cook's Petrel make positive identification difficult under any other than optimum observation conditions.

Bulwer's Petrel

The spring migration of this species into the BCF area has begun. Most of the 96 individuals seen this month were found in the western half of the area, and generally south of the high Hawaiian Islands. This distribution pattern is similar to April 1964's but the numbers seen this month indicate that the migration is further underway than it was at the same time last year.

Of interest was the observation of two flocks of Bulwer's Petrels and Leach's Petrels, one on 17 April of 20 Leach's and three Bulwer's and again on 22 April of five Leach's and two Bulwer's. The birds were not actually seen feeding but both flocks were fairly tightly packed. This was the first time in 13 cruises that these two species have been observed flocking together in this manner.

Leach's Petrel

An all time high of 297 birds was recorded this month. Numbers were distributed over the entire area, evidently in a random manner. Many were flying rather directionally to the north. This peak in numbers corresponds with a similar peak recorded in April 1964 as the birds migrate north for the beginning of their breeding season.

For notes on two flocks involving numbers of this species see the preceeding Bulwer's Petrel remarks.

Two were collected.

Red-tailed Tropicbird

The 19 birds seen this month were distributed again in a relatively random manner. The slight increase in numbers from 13 in March is probably of no significance.

White-tailed Tropicbird

Three of the eight seen in April were within 20 miles of Kauai. The rest were distributed randomly over the area.

Blue-faced Booby

One of the five seen this month was at 17° N; the others were at the extreme southern end of the area, where most of the birds of this species have been seen. Numbers were consistent with past months.

Brown Booby

Five birds were seen in a feeding flock just 10 miles north of Oahu on 30 April.

Red-footed Booby

Only one of the 46 seen in April was more than 50 miles from Oahu. It was an immature which came aboard at 18°N during the day. It was banded, notes were taken on its plumage and soft part colors, and it was released.

Great Frigatebird

Out of 26 birds 16 were seen within 100 miles of the high Hawaiian Islands this month. All were within 300 miles of land. Larger numbers of Frigates have been seen in the past two months (19, 26) than in 1964 (4, 2). The difference is felt to be significant, but no explanation is readily forthcoming.

Arctic Tern (?)

Twenty-seven birds probably Arctic Terns but possibly common Terns were observed heading north, usually in groups of two, in April. A similar northward migration was noted in April 1964. The birds were seen often to

feed by hovering, diving from heights in excess of 30 ft, and flying off from the surface of the water. Several times birds were seen for the first time rising from the water as if they had been sitting on it, but no bird was actually observed sitting on the water.

Common Noddy

Of the 420 Noddies seen in April, 22 were seen on three separate days in excess of 50 miles from land. One flock of five was found at 15° N, over 200 miles from nearest land. Observation of Noddies this far from land, while not unprecedented, is nevertheless unusual.

Sooty Tern

Numbers decreased 22 o/o from March's total of 2133 to 1655 in April. Greatest concentrations occurred around the high Hawaiian Islands and along the 154° W leg south to 10° N. The difference between April's and March's totals was due largely to the relative lack of birds (97) seen north of Oahu this month. Such a concentration was evident in April 1964 (750 birds). A shift to more southerly feeding grounds on the part of Sooties this April would explain this inconsistency.

Fairy Tern

Numbers remained constant from March to April, 24 this month and 23 last month. The complete absence of this species from the area in April 1964 is puzzling in light of the numbers seen in 1965. Two-thirds of the birds seen this month were within 100 miles of the high Hawaiian Islands.

Blue-grey Noddy

At least one and possibly two more Blue-grey Noddies were seen shortly after Leaving Port Allen, Kauai. This is the first sighting of this species on a <u>Cromwell</u> cruise, even though the birds were seen in an area previously unsampled by the ship:

2

Pomarine Jaeger

A new high total of 60 Pomarine Jaegers was recorded in April. Many of these were seen at a considerable distance from land, up to 500 miles. Most were headed north. Several were observed to chase birds in feeding flocks. Wedge-tailed Shearwaters, Sooty Terns, Arctic Terns, Red-tailed Tropicbirds, and even a Frigatebird were among their "victims". Many had fine adult breeding plumage with prominant twisted central rectrices.

Long-tailed Jaeger

Two small jaegers, one a light phase and the second an intermediate phase, which had very prominent pointed central rectrices in excess of four inches were presumed to be this species. In addition, 10 more were termed jaeger species. Several or most of these may have been long-tailed Jaegers but their central rectrices were not as well developed.

Red ? Phalarope

Four phalaropes, probably Red Phalaropes, were seen in April, the tail end of the spring northward migration which reached its peak in March in 1964 and 1965.

Gull species

On 22 April a bird which could only have been a gull was described in detail by the best informed of the crewmen on watch. It was medium sized and presumably in adult plumage.

April 1965 - BCF Cruise

TABLE I

Date	Minutes of Observation	Miles Covered
April 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	590 750 747 736 742 750 757 759 766 758 752 742 747 754 765 774 788 793 784 303	114 112 124 87 124 125 127 140 137 104 125 93 108 135 141 135 143 125 67
Total	14,637	2,420
Average	7 32	121

TABLE II

Date	Total Birds	Total	Birds	Birds	Flocks	Total Birds
(All Services Compactificated)		Sightings	Sighting	Mile		in Flock
April 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	603 251 88 230 360 390 157 75 76 78 206 82 31 50 70 499	166 134 76 103 108 139 108 139 139 149 152 170 170	3.63 1.25 1.25 1.25 1.25 1.26 1.25 1.26 1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.25	5.24 2.24 2.40 2.41 2.40 2.41 3.44 3.44 3.44 4.24 4.10 4.10 6.36 1.55 1.54 7.54 7.54	13 1 0 5 12 1 2 1 3 4 3 0 0 1 0 0 7	376 14 096 291 277 590 136 149 145 390 060 000 205
Total	4068	1351	53.85	37.55	78	2255
Average	203.4	67.6	2.69	1.88	3.9	112.8

TABLE III

Date	Procellariiformes	Tropicbirds	Terns	Boobies	Frigatebirds
April 11, 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	204 218 78 153 95 130 196 60 32 36 37 29 59 22 16 18 69 24 57 182	30112230120111326110	346 30 75 25 25 25 26 49 49 49 49 49 49 49 49 49 49	15 100100000021010000005	1200024051000000000000000
Tota	1 1715	31	2134	56	26
Aver	age 85.8	1.6	106.7	2.8	1.3

TABLE IV

Procellariiformes Breakdown

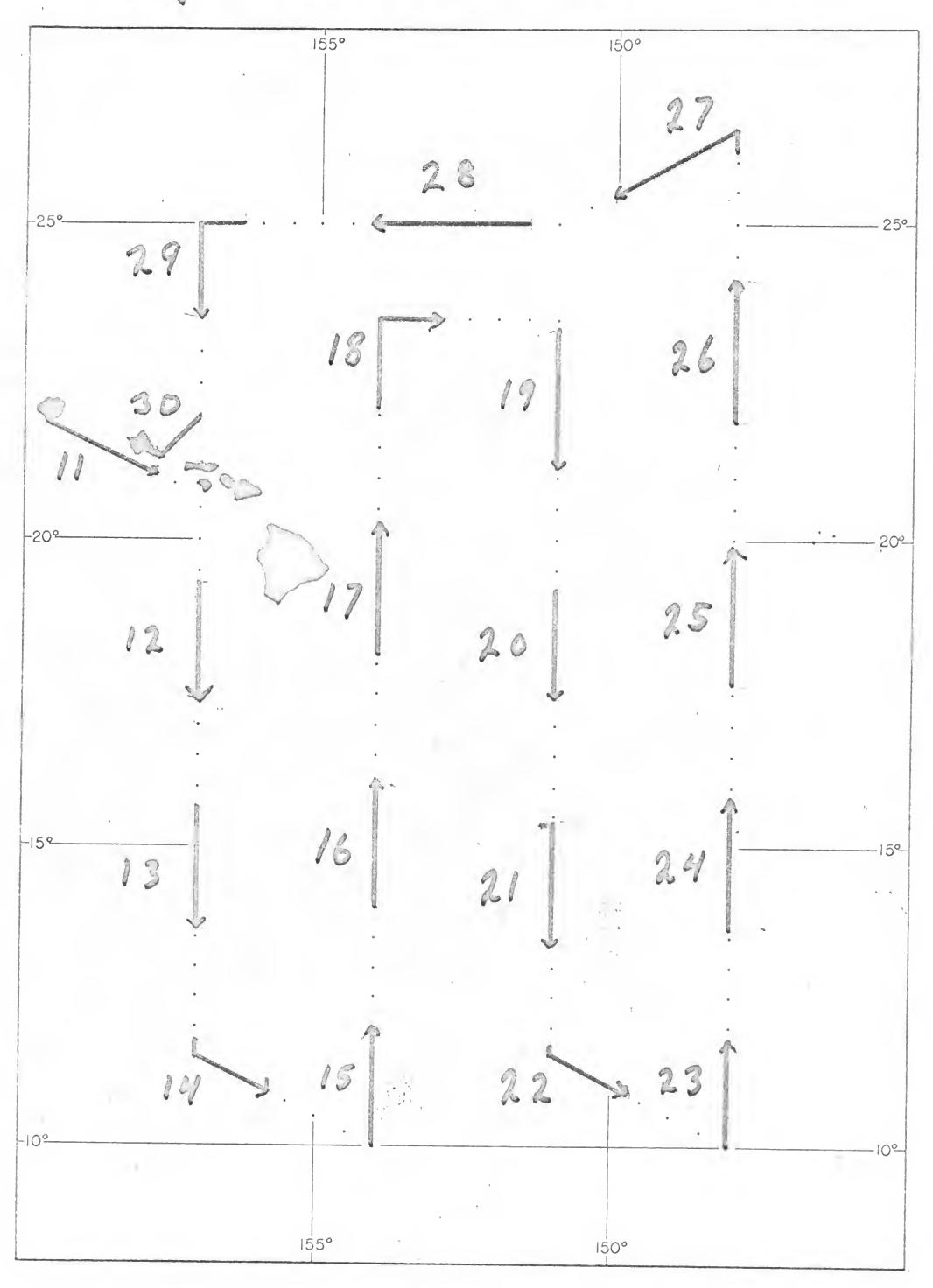
Date	Black-footed Albatross	Laysan Albatross	Wedge-tailed Shearwater	Sooty Shearwater	Newell's Shearwater	Christmas Island Shearwater
11 April 65 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	110000043100000009421	00000011000000001000	95 21 6 7 4 5 5 4 9 1 4 1 0 0 0 0 1 1 1 3	80 178 34 20 17 116 10 57 32 128 08 28	3000613275400100000	200011000000000000000000000000000000000
Total	26	3	519	507	26	14

TABLE IV (con't)

Procellariiformes Breakdown

Date	Mottled Petrel	Juan Fernandez Petrel	Bulwer's Petrel	Leach's Storm Petrel	Miscellaneous and unidentified Procellariids	
11 April 65 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	01000125010000000000	000000000126200000	27241962161410034003	13 8 12 24 10 22 8 5 18 7 5 9 13 10 11 12 45 18 32 2	8 2 12 4 15 10 6 2 1 1 2 1 4 2 3 3 3 3 1 2 2 4 5	
Total	10	21	96.	304	199	

April 1965 Daylight observation locations



April 65 Birds in flocks 2255 (28)

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		•	25°
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~ 217.(4)		•	
	31.(1)		
•	•	•	
62 - (4)		•	
18.(2)	19.(1)	10 - (1)	15°-
41 (1)		•	
•	•		
50 . (1)			
92 (5)	7 (1)(2)	80 (2)	
112 (2)	7/2	69 (2)	
12 (2)		•	100
155°	150°		
	368 (5) 217 (4) 6 (1) 6 (1) 50 (1) 156 (5) 41 (1) 20 (2) 12 (2)	2 (4) 2 (4) 3 (8) 2 (7) (4) 6 (1) 5 (1) 31 (1) 6 (2) 1 (2) 1 (2) 1 (2) 1 (2) 1 (2) 1 (2) 1 (2) 1 (2) 1 (2)	368 (5) 217 (4) 6 (1) \$ (1) 8 (1) \$ (1) 81 (1) 82 (4) 18 (2) 156 (5) 17 (1) 10 (1) 29 (2) 20 (2) 21 (2) 22 (2) 12 (2)

April 65 Black-footed Albatross 26 Lagson Albatross 3

155	5°	150°	
		111111111111111111111111111111111111111	
-25°	333311		25°-
	334 2.12 3 1.3	1	
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April 65 Weigetailed Slearwater 519

	155°	150°	150°		
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April 65
Newell's Shearwater 26
Christmas Island Shearwater 4
Dark-rumged Petrel 3
Tuanfernandez Petrel 21

	155°		150°	4. 1	
-25 °	. IDRP			•	•
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Soot Shear water 507
Nales foted Shear water 2
Mottled Petrel 10

		155°	150°		
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Agril 65 Bulwer's Petrel 96

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	155°	150°		

April 65 Leach's and storm petrel species 304

	15	55°	150°		
-25°		1243		8 15 6	25°
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	.000	9 11			20°
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	15	2 5°	150°	1	100

April 65
Red-tailed Tropic bird 19
White-tailed Tropic bird 8
tropic bird species 5

	155°	150°
		3228
-25°····	163	
		27
360 0		
-20°	228.	· · · · · · · · · · · · · · · · · · ·
•	. 12	196 · 16
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-10°	•	176
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April 65 Sooty Tern 1655

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110 0 80			•	
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37.	30 . 161 .	38	83.	10°
	155°	150)°	

April 65
Red-footed Booby 16
Blue-fooded Booby 5
Fairy Term
Great Frigatelird 26

	155°	150°	
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25°		•	259
		• •	•
	•	. 2 5	
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	1888		
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April 65
Pomarine Jaeger 60
jaeger species 10
Long-tailed Jaeger 2

	155°		150°	
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	1	ISP	1273	
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	155°		150°	

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE / A ...

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1				•										
-0200															
0300 0300 0-00 0-00															
00															
0-00															
0000						4 , 42 , 0				who so as					
0700															
-0800															
0900	21 54	159 35													
1000	2147	159 26													
1100	2 41	157 16		-										parasis.	
1200	4 53	158 53			Plant Strain Str			-							
1300	2 1 25	156 53													
1500	2/19	1-8 37													
1,00	2113	158 23				NO THE ST			See						
AND DESCRIPTION OF THE PARTY NAMED IN	7/05	1-8 11													All and the second seco
1800-	21 00	158 00													
1.900	20 54	157 50													
2000	20 48	157 38	02	10	101511	24.0	19		2		111	24,9	04	100	52-12
2100	20 17	157 24					LOUIS CONTRACTOR SECTION SECTION		Commence of the second second second						
2200	20 40	1=7 19													
2300	20 -	157 12													
2400	20 31	10711													

REMARKS:

$$\frac{2}{3} = \frac{1}{5}$$
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SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	20 19	157 06													
0200	20 08	157 03	03	10	10143	23.5	19	'	7		80-6-5	24.8	2.7	50	en /
0300	19 55	1													
00	19 43	15701													
C-00	1932														
0.00	19 21	157 00													
0700	19/11														
0800	19 01	15658	03	10	10139	23.3	20		6		120-8-10	237	28	120	C 1
> 0900	18 55	156 - 5													
1000	18 47	156 57													
1100	18 42	156 57										A THE STATE OF THE	one in the second of the second	coperation.	
1200	10 33	1													
1300	18 23	156 59									3.00				
1400	18	157 00	07	10	1013.1	23.8	20		8		110.8-7	24.1	19	100	\) / _
1500	17.59	157 01			man best company									Viete a	
1,00	17 49	157 01				A.S.								0.	
1700	17 38	157 01	· \												
	1727	157 01													
1900	17 27	157 00													
2000	1/17	156 59	02	10	1013,9	24.8	72				110-10-6	24,1	20	120	C , / ?
2200	17 10	156 58												The second secon	
2300	16 4 6														
2400	11 71	156 59										·			
2700	REMARKS:	157 00													

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 13 April 1965

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	16 25	157 01												1	
0200	16 15	157 01	01	10	1013.8	24.8	29	1	7		110-8-5	24.5	21	110	
0300	15 03	1-7 31													
00	15 59 5	157 01													
C-00	15 52	157 00		.20 0000											
೦೨೦೦	15 41	157 00													
0.(00)	15 30	157 00													
0800	15 19	157 00	02	10	1014.3	22.9	9.9		8		120-6.5	2 = 1 6	17	120	5 = 1 /
0900	15 08	157 00										۷			
1000	14 -7	157 00													
TT00	14 46	157 00													
1200	14 3	157 00													
1300	3,2	156 59													
1400	1 2 8		0	10	1014.3	24,0	23		7		120-6-5	24.	12	120	3
7.00	, U	156 21	5	2000 F	- C 80 - Carry 19 - C										
1700	17 60	176 10												19	
180e	13 40	156 58		-											
1.900	13 0	156 58													
2000	1318	156 58	02		10111	nch	2.6						110	7018	
2100	1310	156 57		10	1014.5	25.8	2.3.		3		130-6-5	216	15	1-70	
2200	13.00	156 57		,						1					
2300	17 58	156 57					the second second second								
2400	1257	156 57													
	REMARKS:			į	,										

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 14 April 1965

CIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	12 45	157 56													
0200	1233	156 55	03	10	1014,5	25.5	22	1	7		130-6.2	25.9	10	100	0
0300	1221	156 55													
-00	1709	156 54													
C-00	1157	156 54													
0.00	11 46	156 53													
, 50700	11 33	156 54													
0800	1129	156 54	03	10	1014.6	25,4	23		8		130-6-3	35,4	10	,0	55-12
0900	1129	156 54													
1000	29	156 55													
1100	11 30	156 57													
>1200	11 29	156 54													
> 1300	11 22	156 4.1													
-1400	11 17	15/2 31	02	10	1013.0	26.0	23		8		110-6-3	25,4	1)	90	52-17
1500	11 13	156 22													
-1,00	11 07	15- 11													
1700	11 01	155 59												to .	
1800	10 76	155 48													
1900	10 51	155 39												0	
2000	10 46	155 30	02	10	1012,2	26.0	23		4		90-6-3	25.4	12	80	
2100	10 43	155 26													
2200	10 38	155 17													
2300	33	155 07					The second of th								
2400	0 26	154 55													
	REMARKS:														

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 15 April 1965

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	10 z1	154 43													
0200	10 16	154 34	01	10	1011.7	25,4	22	1	6		100-6-3	26.1	111	80	53-12
0300	10 10	154 25													
.00	10 04	154 17													
C-00	10 00	154 05													
0000	10 00	154 05													
0700	10 02	154 05													
0800	10 14	154 04	0/	10	10/2.1	2518	21-		5		70-6-3	26.1	16	40	N-12
0900	10 26	194 04													
1000	10 38	154 04													
1100	10 50	154 04											A description of the second se		
1200	11 03	154 04			***************************************										
1300	11 14	154 03													
1400	11 26	154 02	0	10	1011.1	26.2	22		4		90-6-3	26,4	13	80	1/-12
1500	11 39	154 02		2002											
1,00	11 33	154 02				7.5									
1700	11 46	154 07													
	11 59	54 67					***								
1900	12 10	154 02			A 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4										
2000	12 22	154 02	07	10	1012,0	15,4	21		3		70.6:3	25.7	/2	(0	N-12
2100	12 27	154 02													
2200	14 40	154 02					50								
2300	12 52	154 01													
2400	REMARKS.	154 00													

REMARKS:

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

SI-MNH-955c 3-4-64 DATE 16 Apr 65

TIME	F,AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	13 DI	154 00			,				T						
0020	13 09	154 00	02	10	1012 6	74.9	21		3		70-6-3	25.7	12	70	N-12
0300	13 22	154 00													
00	13 5	153 59										· ·			
0-00	13 48	153 58													3634 Balling B
DUO0	14 01	153 58													
0700	14 09	153 59													
0080	1421	153 57	03	10	10132	24.3	21		7		70.6.3	25.4	08	90	N-12
900	1434	153 59													
L000	1437	153 59													
L100	14 48	153 59												Value of the second	
1200	14 59	153 59													
1300	15 11	154 00													
1400	15 23	154 00	02	25	10123	25.3	21		3		100-6-2	7.5,8	04	120	N-12
500	15 36	154 00		30/6 F											
00	15 48	154 00													
1700	16 00	154 01													
1809	16 00	154 01													
1.900	1611	154 01													
2000	1624	154 00	02	25	10114	24.8	20		2-		100-6-2	25.8	05	40	NIL
2100	1630	154 00												The second of the second	
2200	16 42	154 00		,			the commence of the second								
2300	1654	153 59													
2400	REMARKS.	153 59													

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 17 April 1965

CIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	17 20	153 59													
0200	17 32	153 58	02	25	1012.1	23.5	2-1	1	-2-		100-6-2	44.6	06	140	N=12
0300	17 34	153 58													
00	17 46	15358													
0500	17 59	153 57													
0000	18 10	153 57				The state of the s									
0700	18 23	15 3 58													
0800	18 34	153 58	03	25	1013.0	23,9	21		6		180-6-2	23,8	12	190	W-12
0900	1834	(53.58													
1000	1836	15358													
1100	18 49	153 59													
1200	19 02	154 00													
1300	19 05	154 00													
1400	1918	153 59	07	25	10/14	65,4	2.1		7		150-6-4	242	14	200	V1-15
1.500	19 71	153 58													
1,00	1944	153 58													
1700	1956	153 57												0	
1800	20 09	153 56													
1900	20 22	153 55													
2000	2031	153 54	02	25	11118	24.1	20		7		150-6-4	.24,2	10	200	V-12
2100	20 31	153 54							4						
2200	20 42	153 54		,											
2300	20 55	153 54				1 7									
2400	21 08	153 54													
	REMARKS:			ر المساور المساور المساور المساور المساور								15			

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 18 April 1965

SIME	FAT		LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1217	20	15356			,									1	
0200	2	32	153 57	02.	10	1011.4	22,9	19	1	8		30016-4	23,3	16	3,00	NIZ
0300	21	4 =	153 58													
00	21	55	154 00													
6-00	21	59	154 00													
10000 7	22	07	154 00													
30700	22	20	154 00													
20800	27	37	154 00	02	10	1012.0	2212	1-9		8		280-6-4	23.0	13	300	N 12
0900	27	44	154 00													
1000	7.7	56	153 59													
1100	13	09	153 57													
1500	33	19	15358													
1300	23	70	153 50												7 - ^	
1400	23	- 0	157 58	02	10	1012.9	22.1	13		7		300.6-4	22,7	16	320	NIC
21500	23	30	153 44		4.00E											
1.00	23	3	153 3													
1700	123	31	153 12													
1800	2-5	32	157 04													
1900	25		15 2 51					7-7-							2516	
2000	45	3 3	152 37	02	10	1013.1	21.5			8		300.6.4	22.7		3 10	t 12
2100	2 >	33	152 30													
2200	125	32	132 18													
2300	123	3	15207											33.70		
2400	12.	ADVC.	151 55													

REMARKS:

SI-MNH-955c 3-4-64 DATE 19 April 1965

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0100	23 30	151 42												1	
0200	23 -0	151 29	02	10	1013,9	20,8	15	,	8		300-6-4	22.6	16	330	EIZ
0300	23 29	151 15													
1400	23 7-1	151 02													
0700	2227	15/02													
0000	23 18	151 07													
0700	08	151 04													
0800	2257	151 04	01	10	101514	20,9	13		3		320-6.4	21.5	6	36	512
0900	22 45	151 03													
1000	22 33	151 02											E		
1100	2221	151 02													
1500	2210	151 01		10											
1300	27 00	151 00			No.										
1400	21 59	151, 00	02	10	1015,2	22.7	17		3		330 4-4	23,4	5	50	317
1500	2 27	151 00													
1,00	21 35	150 57	<u> </u>												
1700		170 58												*	
1809	75 10	150 57													
1900	21 50	150 57													
2000	70 19	150 57	02	10	101519	23,0	19		Ś		330-6-5	33.5	12	70	517
2100	20 43	150 55													
2200	20 31	15058													
2300	703/	150 55													
2400	the state of the s	150 58													
	REMARKS:			(

SI-MNH-955c 3-4-64 DATE 20 April 1965 SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DRY B DEW PT HUM % TL SKY OPA SKY WAVES SEA TEMP WIND S WIND D SHIP COURSE/SPD. PRES WEA VIS SLP LONG TAT 0100 15058 330-6-4 2 2 5m 70 512 15058 50 10/6,2 22.5 8 0200 3 0300 120 28 1.00 00-0 150 SR 0000 06 150 59 0700 19 00 150 59 60 512 14 60-6-5 23.9 0800 18 50 15100 1016.6 2.3.4 02 0900 18 40 1000 15/01 1100 1200 1300 151 01 60 512 1400 1 500 01 1014.9 24.2 2-1 60-6.5 24,6 1500 15059 1500 15059 1700 1800 15059 1729 15059 1717 1900 512 15059 24.9 2000 706 101511 01 60-6-5 10 24,2 1 150 59 2100 16 59 15059 2200 15100

REMARKS:

15100

11624

2400

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 21 April 1965

TIME	F,AT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	WIND S	WIND D	SHIP COURSE/SPD.
0100	116 13	15/01												1	
0200	16 01	15101	03	10	10149	24,2	20		£i/		60 - 6 - 7	24.9	21	70	517
0300	1600	15100													
. 4.00	15 50	15/00													
0.00	15.36	15101													
0500	15 24	15102													
60,00	15 13	15/03													
,0800	15 03	15/04	01	10	1016,0	24.3	2-1		5		80-6-5	24.7	17	70	512
0900	14 52	15104													
1000	14.42	15/04													
TT00	17. 37	15105		2											
1500	31	151 05													
1300	19 71	151 05													
1500	19 09	151 04	0	10	1014.0	25.7	21		2		70-6-5	25,2	16	70	C-13
With the charles and	12 5 /	151 03					and the second property of the second								
1,00	13 46	151 02													
1800	18 25	15/ 01					•								
1,900	1716	15/ 00													
2000	13 03	15/ 00	A 673		7:111	2 5 5									
2100	17.53	151 00	C -	10	1014,7	25,0	20				70-6-5	25,5	2 7-	00	5-12
2200	13 59	15/ 0													
2300	12 5	151 00					The second secon								
2400	12 41	101 00						350							
	REMARKS:											34) - 3 u -			

SI-MNH-955c 3-4-64 DATE ZZ April 65 SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

TIME	TAT	LONG	7	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	12 3	15					·									
0200	5 51	0 150	59	15	10	1014,6	245	70	1	7		68-6-6	2516	22	50	5-12
0300	12 1	0 1=0	59													
00	11 5	7 150	1													
C-00	11 47	150	71													
0J00	11 3 -	150	59													
0700	11 28	1.50	and d													
0800	11 28	150	51	01	10	101512	95.7	2 m				70.6-6	25,5	22	70	5-12
0900	11 28	176														
1000	111 28	150	<i>-</i> 9													
1100	11 24	150	40											a speciment of the control of the co		
1200	11 19	150	39													
1300	1 1 1 4	1.0	30													
1400	1 39	150		07	10	1012,2	7514	The Rose		2		70-6-6	75,2	19	50	52.12
1500	05		10													
1,00	00	150	00													
1700	10 54	140	52													
1800	10	149	42													
1.900	10 47		7.5													
2000	110 42	1 6/6	26	07	10	101219	45.0	27		2_		70-6-6	25.6	2	70	3 5 / 6
2100	12 7	14.	17													
2200	11 33	144			,											
2300	10 29	140	04													
2400	10 25	148	2													

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 23 API. 1955

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEM	P WIND S	WIND D	SHIP COURSE/SPD.
0100	10 20	143 409												1	
0200	10 15	1:3 = =	03	10	1011.2	24.8	22		5		60-6-6	2519	26	50	551/2
0300	10 12	198 26									0 0 0				7 2 1 3
	10 00	150 17													
C - 00	10 04	148 09													2.0-22.0-22.0-22.0-22.0-22.0-22.0-22.0-
0000		14. 07													
0700	10 2	198 05				-									
0800	10 12	45 05	02	10	1013.6	25.3	The B		2_		60.6-6	25.2	2.7	60	11-12
0900	15 - 6	26													
1000	10 35	1 8 67								-0.0 A					
1100	(08													
1500	13 SB	148 09				7.00	The second secon							Co-Hard Control	
1300	11 07	11.8 06			I I I I I I I I I I I I I I I I I I I										
1400	1 26	16	01	10	1011.3	25,0	20		/		60-6-6	25.9	There Court	60	11-19
V1500	11 31	16 67													
1,00	31	108 07		a second											
1700	11 33	148 05													
	11 43	168 03													
1900	12,20	148 63												1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
2000	1210	148 00	00	10	1013.1	24,4	20		190		50-6-6	24.8	20	80	for 1 mg
2100	12 17	711 62							m and the first of the same				All the party of t		has been a second
2200	12 27	14802		,								As a second second			
2300	1238	14802													
2400	12 43	101201										N 12			
	REMARKS:									11					

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 24 April 1965

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	1= =9	148 01			,									1	
0200	13 00	148 01	03	No.	1013.4	23,9	70	!	3		70-6-6	24.7	1 7	90	N=12m
0300	13,06	148 01													
:00	13.17	148 00													
0-,00	13 28	149,00													
೦७00	13 41	147 59													
0700	13 53	197 59													
0800	14 04	147 59	0/	10	101510	24.3	2.0		7		70-6-5	75,0	2-2	80	N-12
0900	14 13														
1000	17 25	147 58		_											
1100	7.8	1-7 50													
1200	11 56	5. 6. 4													
1300	o 64,	147 50													
1400	15.0	147 -8	07	10	1015.0	75,0	19		2		8-0-6-3	25.2	16	80	M-12
1500	15 13	147 78													
1,00	15 = 4	147 57										3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3			
1700	15 36	11757												6.	
1800	15 4 5	117 56													
1900	1600.	107 57													
2000	1600	5.7	O The	10	1016.0	24.6	19		Per		80-63	24.6	16	£ 63	N 12
2100	1208	11.				ASTER STAY							The suppose of the second	and the second of the second of the second	
2200	/ = 1	1- 0-													
2300	16 28	147 50					the second of th								
2400	40	147 -											2.000		

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE

room Maro	1 V W	LONG	PRES WEA	VIS	SLP	DDV D	DEW PT	TITTM of	MT CIZV						
TIME	F.AT	LONG	THEO WEA	A T D	DLL	DUI D	DEM LT	HUM 70	II DVI	OPA SKY	WAVED	SEA TEMP	MTND 2	MTMD D	SHIP COURSE/SPD.
0100	1652	14757			·										
0200	17 05	1:1	00	10	10/6,2	23.8	19	f .	6		80-6-3	24.7	16	80	12/12
0300	17 17														
. 00	1 2	14- 58										-			
C-00	17 '4	147 55													
0000	1 - 4 5	4- 64					The same of the sa								
0700	1752	147 36													
0800	118 01	1	63	10	1018.2	23,8	19		6		80-6-5	7.3.3	1,0	80	12-12
0900	1.2	1:1-3													
1000		167 6		-											
1100	10 40	147 -9													
1200	Ma 45.2	1 - 1 - 1 - 1		De se		V Traffic and the control of the con									
1300	15 00	12.7 59	10.14												
1400	111 6	147 6	01	10	1016,9	四日月	20		21		80-6-9	723.6	16.	210	W=12
1500	14 15	16													
1,00	12 23	1										ELECTION OF LEGISLATION			
1700	19 40-			• • • • • • •											
1800		/ - /													
1900	20 05														
2000	3 15	14 60	01	10	1019,4	23.6	18				80-6-3	23,6	1/2	@ D	12-12
2100	- 3	16.							and the state of t		3 4 3 3	210			
2200	20 1	147 56				26									
2300	20 0						Since some some								
2400	23 . 7	147 56			1000										
	\REMARKS •/														

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE

TIME	F,AT	LON	G	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	205	9 14														
0200		2		62	10	1019.3	2.1,/	19				80-6-3	23.1	1	70	N-12
0300	•	3 / 1	•													
00	3	7														
0-00	4	9 1.1.	50													
೦೨೦೦		147	< (. 11											
(5)0700	* 0		7 56													
30800	22 1	1 1 1 1 1 1 1	78	01	10	1021.0	23,2	10		7		145.6-3	7 4,2	in the same of the	150	N-172
0900		19	6													
21000	~, ~ 3	774														
1100			0 80 0													
1500	- 7 0	14	1 19					53								
(31300	2 1	7.9	7 7													
1400	7			15	10	1020.2	23,7	18		7		80.6-3	23,2	12	80	N12
1500		8 /														All areas and a second and a second
11,00		2 15	. 8													
1700	7		5													
1800	11 0		⁶ es													
1900		7	0.													
2000	24 2	1-1-1		01	10	1020,6	22.5	18		1		120-6-3	23.3	12	120	N 12
2100	2.4	1				CONTROL CONTROL CONTROL	V The second second						of Mary and arters		and the second s	
2200	-	2 10	6		,											
2300	2 5 0	14	٠ , م													
2400	75 18	1/4	-											-0.1		
	DEMADE	· C •								-						

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE Z 16=

TIME	FAT		LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/SPD.
0100	7 -	17_	-147 59													
0200		24	7/7 7/	00	10	1020,1	21,6	18	!			120-6-3	22,5	120	120	N12
0300		6.	147 5													
00	-7	/ C	1.479.71	71-1-1												
C-00		A	0													
00,00	1															
1°0700	7.6		6													
0800		e :	1-0,0=	03	25	1021.0	20,6	18		6		350-5-5	21,4	17	40	N 12
J 0900			1 15													
1000	7		7.6													
1100	1	6	148 37													
7 1500	. 6 0		3 37													
1300	26 0	-	148 58													
1400	THE PARTY NAMED IN COLUMN	-9	14	7.5	5	-1019.8	21.8	19		7		30.0.5	2210	Ä	4/0	561-12
1500	25 r	^	149 21		5500° 8											
1,00	25 4	7	149 33	X												
1700	2 - 3		1019 45												*	
1800			4957													
1900	25 2		15009													
2000				56	/ 0	1019,2	21.2	18		7		350.85	22.4	8	330	SW-12.
2100	2 5 1		. 3												The second second	
2200																
2300	25 5		50													
2400	REMARK	70.	5/ 04					***								

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 28 / 7'-

		/				0.77			TTDI d			TATE			I FT NITS IS	CITTE COLLEGE / CE-
TIME	TAT		LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEME	MIND S	MTND D	SHIP COURSE/SPD.
0100	75	02	16:													
0200	25	1		01	10	1018.2	21.0	1.9		2		40-6-5	22.4		50	SW12
0300	25	02	151 04													
00		8	1 -													
0500	ファ	, 0	- 5													
0500	25	04														
0700	1 0	05	151													
0800		3	01	25	1/2	1019,2	203	19		8		50-6-6	2211	23	30	61212
0900		3														
1000	0	4	٠, .													
1100	7 -		1											Section of the section of the section of		
1200	2	20	· ·													
1300	11.5	10:0	1					-2 ¹								
1400		O O	24	15	10	1018,4	22.2	18		7		40-8-10	7210	2-8	40	W = 12
1500	75		33	7	70.	3.5										
1,00	7 1	00	153 47													
1700	34		/ 00			- 90										
1809	24		154													
1900	14	51	164 13			42-4-3		Company of the second of the s							1/ 2	
2000	- 4	501	154 24	00	10	10/90	21,8	18				40-8-8	221/	30	40	W-12
2100	4	7	1511 30												The second secon	
2200	5	00	15 11 2				I was to be seen to be a first to be				u.					
2300			55													
2400		ADVC.	155 00													

REMARKS:

SMITHSONIAN INSTITUTION
DIVISION OF BIRDS
AT SEA SURVEY CHART C

DATE 29 A 11 1965

TIME	FAT	LONG	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	P WIND S	WIND D	SHIP COURSE/SPD.
0100	7 00	155 21											1		
0200	25 00	155 34	00	10	1019.2	21.0	18		4		40-8-6	22.5	24	40	W-12
0300		155 97													
00	> 5 0	156 31													
C-00		156 12													
೦೮೦೦		156 24				The state of the s									
0700		15 37													
0800	25 00	161 49	02	10	1019,9	21,5	12		7		40-8-6	21.5	24	40	W 112
0900	25 00	1=7 00													
1000		15- 101													
1100	= 1 13	157 00													
1200	2436														
1300	2 4 30	157 00													
1400	2419	157 00	02	5	1018.8	2212	18		8		40-8-6	22:3	1-6	40	5-12
1.500	2408.	157 00													
1500	23 57	15659													
1700	73 46	156 59												*	
1800	2.3 34	15659													
1900	23 29	156 59													
2000	23 72	15658	01	10	1017,2	2211	19		2		40-8-6	2215	and were	40	5-12
2100	27 17	15 8 58.													
2200	23 07	15658													
2300	7-2 57	158 58					The second section of the sect								
2400	122 46	136 59													

REMARKS:

SI-MNH-955c

SMITHSONIAN INSTITUTION DIVISION OF BIRDS AT SEA SURVEY CHART C

DATE 30 April 1965

TIME	TAT		LONG	·	PRES WEA	VIS	SLP	DRY B	DEW PT	HUM %	TL SKY	OPA SKY	WAVES	SEA TEMP	WIND S	WIND D	SHIP COURSE/
0100	122	36	156	59													
0200	122	26	156	59	02	10	15/6.4	22.0	19	1			04-8-5	22.8	the factor	2] 5	5-12
0300	77	17	1 , 5	5 9													
00	2.2	- 07	156	59													
C00	27	59	15.7	00													
೦೮೦೦	15	56	157	02					Control of the same								
0700	21	50	157	08													
0800	2-1	40	157	16	16	10	1016,2	23.7	20		6		06-6-5	23.3	2-2	70	SW-12
0900	21	31	15 1	23													
1000	21	23	157	31													
1100	21	15	157	38												V-DESCRIPTION OF THE PROPERTY	
1200	71	15	157	47		-			3,								
1300	21	15	157	50													
1400														76-5-0-1 (See See See See See See See See See Se			
1.500																	
1500														and the second s			
1700																÷	
1800																	
1900																	
2000							12-4 11-11-11		and the second second								
2100											The second of th						
2200						1											
2300		Me							The late of the second								
2400				-													